

RICE BIODIVERSITY IN BANGLADESH:

Adoption, Diffusion and Disappearance of Varieties

A Statistical Report from Farm Survey in 2005



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BRAC Research and Evaluation Division, Dhaka, Bangladesh
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PREFACE

The Harvest Plus Challenge Programme of the Consultative Group of International Agricultural Research (CGIAR) under the leadership of the International Center for Tropical Agriculture (CIAT), and the International Food Policy Research Institute (IFPRI) commissioned a study in 2005 to the Social Sciences Division of the International Rice Research Institute (IRRI) to understand the diversity of use of rice land races and improved varieties by farmers in Bangladesh and Eastern India. The objective of the study was to identify the most popular improved rice varieties which could be targeted for breeding micronutrients including iron, zinc and vitamins that ultimately could help addressing micro-nutrient deficiency induced malnutrition in the poverty stricken regions of South Asia suffering from “Hidden Hunger”. The study also tried to understand farmers’ preference for traits in improved varieties, seed systems, the process of diffusion of new varieties, and milling and cooking practices, etc.- information needed for faster deployment of nutrient-dense improved varieties and their probable impact on nutritional outcome. The study was led by Mahabub Hossain when he worked as Head of the Social Sciences Division of IRRI.

For the Bangladesh component, IRRI in collaboration with Bangladesh Agricultural University (BAU) and the Department of Agricultural Extension (DAE), Ministry of Agriculture conducted a nationwide survey on farmers use of rice varieties, both landraces and improved, in 2005 and their yield (production per unit of land), the sources of seed, the time pattern for diffusion of the most popular recently released varieties, use of irrigation facilities and chemical fertilizers, the traits demanded in new varieties, and the varieties on the way of extinct and the reasons behind the discontinuation of cultivation of such varieties. The survey covered almost all districts of Bangladesh representing diverse agro-climatic zones. A multistage random sampling method was adopted in choosing the sample farm households from which the data were collected by field level extension staff of DAE using a pre-tested structural questionnaire. Since Mahabub Hossain left IRRI in 2007 the publication of the findings of the study was delayed, although key findings were conveyed to the sponsors in time. Based on the findings of the survey in Bangladesh and eastern India a book entitled, “Adoption and diffusion of modern rice varieties in Bangladesh and eastern India” was published by IRRI, Philippines in 2012.

However, the book could not contain all the valuable information generated by the study especially on the use of the varieties at the district level, use of irrigation and fertilizers, and factors behind the erosion of rice biodiversity in Bangladesh. The purpose of this statistical report is to keep a record of this rich information for the future use. A repeat survey using the same methodology at a later date would be able to use this benchmark data, to assess further erosion of rice biodiversity, the time pattern of acceptance and drop-out of further improved varieties, regions lagging behind in terms of improved varieties, the changes in use of irrigation and fertilizer, the pattern of seed replacement, etc. The unpublished primary data were further analyzed at RED, BRAC for preparing this statistical report.

We would like to thank J.V. Meenakshi, Coordinator of the Policy component of the Harvest Plus project for entrusting us with the study and for initial guidance for developing research protocol and data analysis. We also acknowledge with gratitude the hard work of the field level staff of DAE, both Sub-Assistant Agricultural Officers (SSAO) and Upazila Agricultural Officers, for collecting the data and their quality control. Special thanks are due to M. Shamsul Alam, the-then Director General of the Department of Agricultural Extension for extending the support for conducting the study, and to A.K.M. Jahangir Chowdhury of the Training Wing of the DAE for providing support to supervision of data collection along with the supervisors engaged in the project. The Socioconsult Limited provided support for data management and electronic filing of the data. Mr. Alamgir Chowdhury, Director of Research, Socio-Consult Ltd deserves special recognition for this support. Institutional support provided by IRRI, CIAT, IFPRI and BRAC is gratefully acknowledged.

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I. THE CONTEXT

Formal rice research in the geographical area now constitutes Bangladesh dates back to 1935, when a research station was set up at Habigonj, Sylhet to conduct research on deepwater rice, with financial support from the Imperial Council of Agricultural Research (Hossain, 1998). Until 1970, rice research was conducted on a piecemeal basis in that station, as well as in the botany departments of various universities including the Bangladesh Agricultural University, Mymensingh. Today, the Bangladesh Rice Research Institute (BRRI) is the main organization responsible for rice research. BRRI has so far released 57 rice varieties through approval of the Seed Certification Agency, for adoption by farmers for the three rice seasons in Bangladesh - Aus, Aman and Boro - as well for specific agro-ecological conditions. The other institution possessing significant capacity for rice research is the Bangladesh Institute of Nuclear Agriculture (BINA) which has released many improved varieties for use by farmers.

Bangladesh is famous for extensive rice biodiversity. The farmers have long been growing vast number of traditional land races with different quality of grains, resistance to number of diseases and insects and with varying growing conditions, due to its diverse agro-ecological conditions. It is reported that the IRRI Gene Bank contains more than 8,000 traditional rice varieties collected from Bangladesh. Many of these land races such as Lati Shail and Niger Shail have been used by rice breeders as donors to develop elite lines that have been used as parents for popular improved rice varieties grown throughout Asia (Hossain et al., 2001, Cabanallia, 1998, Hargrove, 1979). But, the cultivation of modern varieties (MVs) was introduced in Bangladesh in the boro season of Bangladesh through importation of seeds of IR-8 by the Bangladesh Academy of Rural Development (BARD), Comilla. The variety produced almost 2.5 times higher yield than the traditional boro varieties grown at that time in the depressed basins of Sylhet, Pabna and Barisal regions. Beginning in 1970, another IRRI bred variety, IR-20 (IRRI Shail) was introduced to farmers for growing in the aman season. In addition to the IRRI Varieties, Paizam (or Pajam, or Masuri, or mansuli as known in different parts of South Asia) a high yield varieties of Malaysian origin developed under an FAO project was another improved variety grown in the aman season. Since 1973, BRRI in partnership with IRRI has been engaged in adaptive research for evaluating elite lines under the IRRI managed International Network for Genetic Evaluation of Rice (INGER) and released varieties that suited Bangladesh agro-ecological conditions under the brand name BR and later Brridhan. Many of the elite lines that came to Bangladesh were suited for the boro and aus seasons. The most popular of them are BR1, BR3, BR14, BR14, and more recently Brridhan 28 and Brridhan 29. But IRRI parent materials were not found suitable for the aman season which are subjected to water-related stresses such as flooding, temporary submergence and prolonged waterlogging. For this season, BRRI scientists have crossed international elite lines with Bangladeshi land races to develop suitable varieties. Most popular of them are BR11 released in 1981, which has IR20 as female parent and IR5-47-2 as male parent. Recently, Brridhan 33 which is a shorter maturity aman variety has helped alleviating "Monga" in the North-Western region.

As a result of the introduction of these modern varieties, many traditional rice varieties have completely disappeared or on the way of extinction. The main reason is the substantially higher yield and profitability of improved varieties compared to the traditional landraces which are very low-yielding and take long time to mature. Yet farmers' conservation of rice genetic diversity has continued managing landraces in the agro-ecosystems and communities where they have evolved historically. Despite of low yield one of the major reasons for continuing production of local varieties is varietal adaptation to soils and other environmental factors (Zimmerer and Douches 1991). That is, the more heterogeneous the conditions in which farmers cultivate the crop, the higher the expected levels of infra-specific diversity. The varieties differ in the extent to which they provide agronomic (adaptation to soils, maturity, disease resistance, fodder and grain

yield) and consumption (taste, appearance) attributes (Benin 2003). Greater numbers of plots and farm fragmentation have also been associated with crop and variety specificity.

The second generic factor that operates at a regional or community scale and is hypothesized to explain variation in levels of crop inter- and intraspecific diversity is opportunities for trade in markets. This implies an area relatively isolated from markets would lead us to predict that modern varieties are less likely to be found or are found to a lesser extent. At the same time, access to seed markets also enables farmers to combine the attributes of purchased seed types with those selected and maintained by farmers in their own community. Further, farmers may seek temporal smoothing in crop and variety requirements through growing combinations with different planting, weeding, and harvesting dates, which leads to the cultivation of different varieties.

The total number of landraces as well as the area planted to landraces in Bangladesh is declining over time (Hossain, et. al. 2012). However, several traditional varieties are still popular among farmers/consumers due to their special traits. They are maintained in small areas as special purpose rice (such as kalizira for polao), for superior grain quality that fetches high price in the market (such as Katari bhog) or for tolerance to extreme environmental stresses (such as Mota dhan in the coastal areas). Hossain and Jaim (2009) reported that farmers in Bangladesh still cultivate more than 1,000 traditional varieties/landraces.

Against this backdrop, this statistical report specifically presents information about:

- 1. Existing rice varieties by seasons and by districts
- 2. Varieties on the way to extinction or completely disappeared and the reasons for that.
- 3. Traits demanded in improved varieties
- 4. Time taken for adopting some popular improved varieties
- 5. Sources of seeds and their yield performance
- 6. Sources of irrigation and use of fertilizer

II. METHODOLOGY

In order to ensure that the study is nationally representative we used a multi-stage random sampling for selection of villages and a purposive sampling of the households to be covered by the survey. At the first stage, the whole Bangladesh was divided into 6 Regions. The distribution of the regions according to districts (old/greater districts) can be seen below:

Regions	Districts under the Regions
Dhaka	Dhaka, Mymensigh and Tangail
Rajshahi	Rajshahi, Bogra, Rangpur, Dinajpur and Pabna
Comilla	Comilla, Noakhali and Sylhet
Jessore	Jessore, Khulna and Kushtia
Barisal	Barisal and Faridpur
Chittagong	Chittagong, Rangamati and Bandarban

From each of the region a list of all the Blocks of DAE was collected from each of the Upazilas. Thus, a list of about 15,000 Blocks which included names of the Blocks, number of villages within the Blocks

(with specific names of the villages) as well as the names of Sub-assistant Agricultural Officers (SAAO) responsible for the respective Blocks was prepared with the help of DAE Head Office at Dhaka. In order to select samples (farmers) and train SAAO for data collection, 100 Blocks were selected using systematic random sampling method. Thus, 600 Blocks for whole country were randomly selected from 6 regions of Bangladesh. Necessary training in relation to selection of farmers for the survey and method of data collection was given to all the 600 SAAOs (in charge of respective Blocks) in the 6 regional offices of DAE (only in the case of Rajshai region, the training was held in Bogra). The DAE headquarter provide necessary support with regard to arranging training programmes in each of the 6 locations. The logistics for the training were provided by respective regional offices.

For selecting respondents for the survey for the selected blocks, three villages were selected from each block. Then the SSAOs were asked to select eight farm households from each village covering different farm size and tenancy groups according to the number specified below. The proportion matches the distribution of farm households found in the 1996 Agricultural Census (BBS 1999).

Land under cultivation	No. of farmers to be selected according to land tenancy	
	Owner farmer	Tenant Farmer
Up to 50 decimals	-	1
.51 - 1.00 acre	1	1
1.01 – 2.50 acres	1	1
2.51 – 5.00 acres	1	1
5.01 and above	1	-
All	4	4

As large proportion of the farmers cultivate both own and rented in land, owner farmers had been defined those who owned more than 50% of the cultivated land and tenant farmers as those who had more than 50% or more operated land obtained from the market under tenancy arrangements. If no tenant or owner farmer was available in any of the above mentioned categories, it was instructed to select the respective categories of farmers from the next strata.

Thus, for 600 Blocks, 14,400 farmers were selected for interview for data collection using a pre-tested structured questionnaire. The number of farm households ultimately covered through the present survey (IRRI-DAE survey) was 14,095, because of dubious quality of data found during editing of the data. Table 1 reports the distribution of the sample farmers by farm size and compares them with that obtained from the 1996 Census and also with another survey conducted by the first author in 2004 to develop a longitudinal data set from repeat household survey in 62 nationally representative villages (Hossain and Bayes, 2009). It may be noted from this comparison that the marginal farmers are under-represented in the present study while the middle and large farmers are over presented. With regard to land tenure the sample is fairly representative. Forty four percent of the sample farmers are owner farmers, 29% are part tenants, and 27% are pure tenants who have their entire holding rented. With regard to education, 16% of the farmers have no formal schooling, 43% with only primary level education, 30% are secondary school dropouts, and 11% have passed secondary school certificates or have tertiary level education. The sample is biased against illiterate farmers. The sample reflects some bias on the part of the enumerators (field level extension staff) to favor larger and better educated farmers. This bias might affect the findings on the sources of seeds and irrigation and use of fertilizers.

Table 2.1 Representativeness of the Sample

Landholding	IRRI-DAE Survey, 2005		1996 Agricultural Census		IRRI 2004 Survey	
	No. of samples	% of total	No. of samples (No.'000)	% of total	No. of samples	% of total
Up to .02 ha.	575	4.1	3356	28.4	300	25.3
.02- .04 ha	2521	17.9	2437	20.7	298	25.1
0.4-1.0 ha	5155	36.6	3629	30.8	398	33.6
1.0-2.0 ha	3817	27.1	1577	13.4	153	12.9
2.0-3.0 ha	1536	10.9	502	4.3	27	2.3
Above 3.0 ha	491	3.5	298	2.5	9	0.8
All	14095	100.0	11799	100.0	1185	100.0

The survey covered Aman season of 2004, Boro and Aus seasons of 2005to January, 2006. The collected data were edited and filed by the Socio-Consult limited using the Excel package. The data were then analyzed under the guidance of the authors.

III. KEY FINDINGS FROM SURVEY

3.1 Adoption of rice varieties

3.1.1 Aman Season, 2004

The survey found existence of 515 rice varieties in the 600 Blocks (usually three villages per Block) covered by the study. The top varieties with regard to area covered during the Aman season are: BR11 (26.5% of the area), Swarna (an Indian variety, 11.6%), Paizam (7.5%), Mota Dhan (6.0%), BR22 (4.3%), Brridhan 30 (3.1%), BR10 (2.5%), BR23 (1.9%), Kala Shail (1.7%) and Brridhan 41 (1.1%). These 10 varieties accounted for over two-thirds of the total Aman area. The top three varieties that covered 45% of the area are all improved varieties. The survey noted that some farmers also used Brridhan 28 and 29 and BR14 during the Aman season, although they were released as boro reason variety. These varieties produced lower yields than their performance in the boro season, due to less suitability for the agro-ecological environment, but their average yields were the same or higher compared to popular aman season varieties.

The most popular Aman rice variety as identified from the survey was BR11 which covered about 27 % of rice area in Aman season. This variety was released in 1981, but still remained popular with farmers after 25 years. Many new improved varieties were developed to replace BR11, but they could not impress the farmers. The yield of Brridhan 40 and 41, were marginally higher (about 4.1 t/ha, compared to 3.92). Presumably, the farmer does not want to shift from a familiar variety for such a small difference in yield. The factor behind less accessibility of the recently released aman varieties could be that BR11 has some other traits such weed competitiveness or milling recovery that breeders do not take into consideration when developing a new variety. The second most popular variety “SWARNA” which has Indian origin and moved to Bangladesh through informal exchange of varieties across the border, also had lower yield (3.84 t/ ha) compared to the newly developed aman season varieties by BRRI. Swarna was found a dominant aman variety in districts bordering West Bengal, India.

3.1.2 Boro Season

Total number of rice varieties in Boro season of 2005 as identified from the survey was 261. Brridhan 29 (Popularly known as 29) which was released in the mid-1990s alone covered more than one-third (36.2%) of rice area covered in Boro season of 2005. This was followed by Brridhan 28 that covered 23.2 % of the rice area in the Boro season. These two varieties together covered about 60% of the rice area in Boro season. One factor behind their popularity is superior yield. The average yield of Brridhan 29 was 6.1 t/h. It is the highest yielding among the inbred improved varieties. Brridhan 28 however produced almost 1.0 t/ha lower yield than Brridhan 29. It is also lower yielding compared to some earlier popular varieties such as IR8 (5.99 t/ha), BR3 (5.62 t/ha), BR8 (5.71 t/ha) and BINA6 (5.38 t/ha). The popularity of Brridhan 28 is due to its shorter life cycle. It matures two to three weeks earlier than Brridhan 29 if planted on the same date with seedlings of same age. Brridhan 29 is grown in low-lying land where the farmer can grow only one rice crop during the year. Most of these areas such in haor in the Sylhet, Kishoregonj and the Netrokona region and in the Chalan beel area in Pabna, Sirajgong and Natore districts remain fallow during the monsoon season because of high flood depth, and is cultivated during the dry season (November to May). Brridhan 28 is grown in medium and higher lands. The shorter life cycle of this variety allows farmers to go for double or even triple cropping in such lands.

The average yield of improved varieties is 1.0 to 1.5 t/ha higher in the boro season compared to the aman season due to favorable growing environment such as high Sun shine (increased photosynthesis efficiency) and low pest pressure. The average yield of Brridhan 29 is 6.13 t/ha and 5.11 t/ha for Brridhan 28, compared to 3.92 t/ha for BR11 and 3.79 for Swarna, the most popular aman season varieties. The hybrid rice varieties that have 20% yield advantage than the inbred high yielding varieties (Hossain et al 2002) are also grown during the boro season. The seeds of these varieties are imported by the private sector seed companies from China. BRRI also has also released a few hybrid rice varieties, but they could not compete with the Chinese varieties. A few private sector companies and NGOs (BRAC) has been engaged in hybrid seed production within Bangladesh by importing parent materials from China by paying royalty. The most important hybrid rice varieties found in this survey are Heera, Jagoron, and Sonarbangla. They occupied almost 3.0% of the total boro rice area. The yield was 7.54 t/h for Heera and 7.08 t/ha for Jagoran, almost 1.0 to 1.5 t/ha higher than the highest yielding inbred rice varieties (Brridhan 29 and 28).

As in the aman season, some Indian varieties imported through informal exchange across the border, were also grown in the boro season. The most important of these varieties are Ratna, Bhajan, Minikit, Parijat, Nayanmoni and Jaya. They occupied almost 9% of the total boro season area in 2005. These varieties had appeal to the farmers because of their shorter maturity (Parijat), drought tolerance (Nayon Moni), superior grain quality (Minikit). The highest yielding among these varieties was Bhajan with an yield of 5.99 t/ha, almost similar to Brridhan 29.

3.1.3 Aus Season

The Aus is a pre-monsoon rice growing season where farmers grew short maturity drought tolerant rice varieties by direct seeding under rainfed conditions. Some of the aus rices are mixed cropped with deepwater aman varieties in the low lying lands in March-April. The aus variety is harvested in July-August with the onset of floods, while the aman variety elongates with rising flood water and is harvested in November after the flood water receded. The traditional aus varieties are very low-yielding with a maximum yield of 1.5 to 2.0 t/ha. Over time with the expansion of irrigation facilities the Aus varieties have given way to boro varieties, because the later gives two to three times higher yield than the former. The area under aus rice has declined from over 3.0 million ha in the 1960s, to less than 1.0 million ha by mid 2000s (Hossain 2010).

The number of aus varieties grown in 2005 in the survey areas was 295. Most of the aus varieties are traditional land races. The top 13 rice varieties that occupied more than 2.0% of the aus rice area are Brridhan 28 (9.0), Haitta (8.3), BR2 (6.9), BR1(5.1), BR3(4.8), IR50 (3.1), Porangi (2.7), Parijat (2.7), Kalo boro (2.6), BR27 (2.4), BR21 (2.3), Purbachi (2.1), and BR14 (2.0), the number within the parenthesis is the percent of aus area occupied by the variety. So the biodiversity is the highest in the aus season.

It is also noted that most of the aus high-yielding varieties are released for the boro season. These varieties take longer time to mature in the boro season because of dormancy during the cold temperature. They mature earlier in the aus season because of high temperature. But the yield is almost 1.5 t/ha less. because of water stress under rainfed growing conditions and higher weed and pest pressure. The highest yielding aus varieties are BR14 (4.07) BR21 (3.97), BR16 (3.93), Brridhan 28 (3.87 t/ha), Bhajan (3.84) BR3 (3.73), The yield of the popular traditional aus varieties are 2.03 t/ha for Haitta, 2.12 for Kali boro, 2.05 for Muralee, 1.87 for Hashi Kalmi, and 2.43 for Binni Dhan.

3.2 Diversity and Concentration at the Regional and District Level

Diversity of rice varieties was found in different regions, particularly with respect to traditional varieties. However, there were similarities in adopting most popular varieties in all the regions, with some exceptions. BR11 was found to be the most popular aman variety in all the regions except Khulna and Barisal. In the Khulna region, Indian variety Swarna was found to be more popular than BR11. It can be mentioned that some varieties of Indian origin are widely grown in Bangladesh, particularly in the border districts. In the Barisal region, a local variety called “Mota” a Bengali word for fat (different names are used such as Sada Mota, Lal Mota, Mota Mota, etc) is very popular because consumers in the region prefer sort bold grains, compared to long fine grains in other regions. These varieties are also tall with strong stem that help variety withstand high tidal flows and strong winds that are agro-climatic characteristics of the coastal belt. In the case of the boro/aus season, Brridhan 29 and 28 were found to be the most popular varieties in all the regions except Khulna and Barisal. In the Khulna region Bhajan (Indian origin) was found popular, and in Barisal region, and Bhajan (another Indian Variety) in the Khulna region. In Chapai Nawabgonj, a large part of which is surrounded by Indian border, all the dominant varieties are of Indian origin.

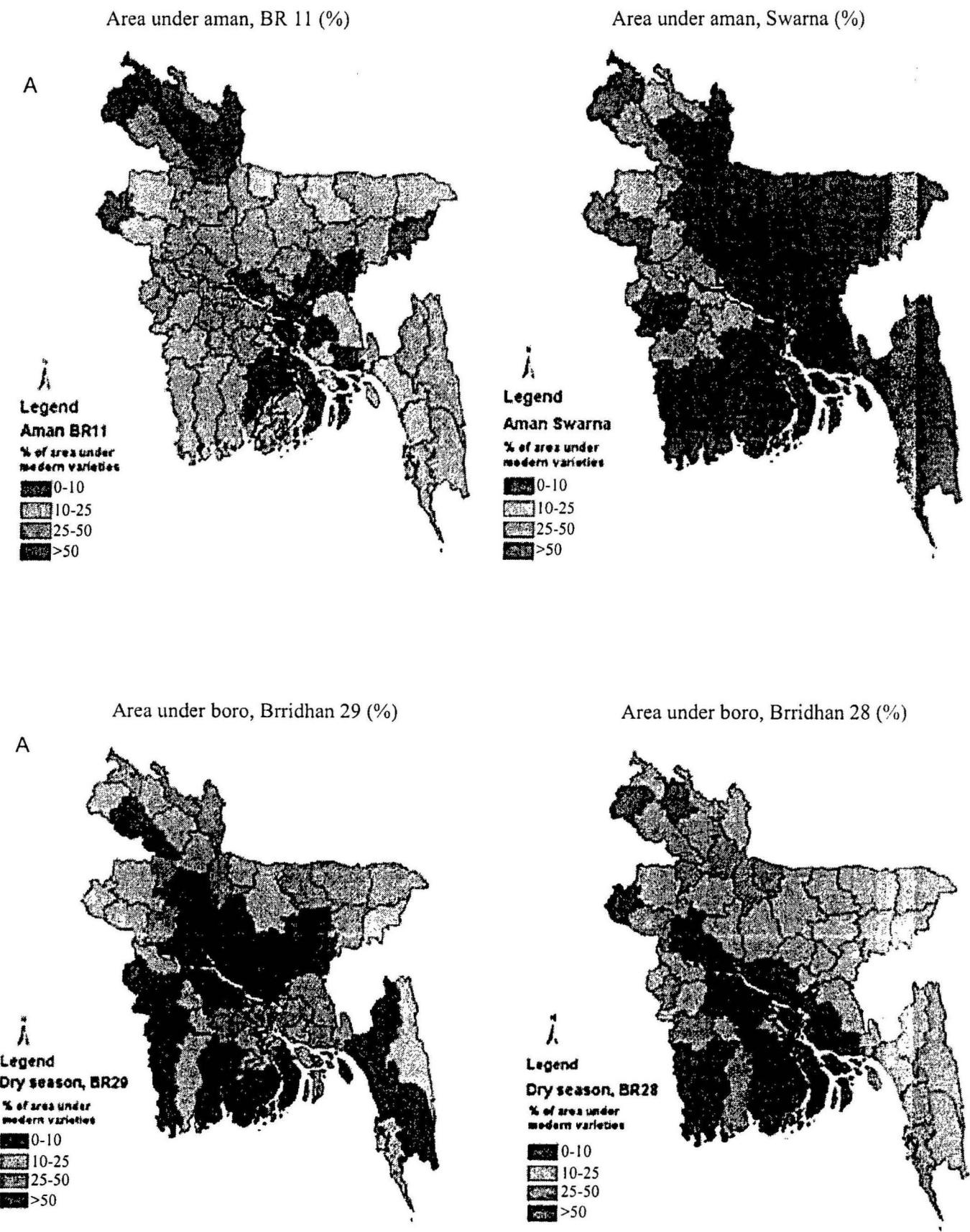
The list of four popular varieties for the aman and boro seasons in selected districts representing diverse agro-ecological conditions is provided in Table 3.1. In favorable areas with irrigation facilities and homogeneous terrain, such as in Joypurhat only a few varieties occupy the landscape. In diverse ecosystems with large variations in micro-ecology, such as in Comilla and Jessore considerable rice diversity was found with farmers growing a large number of varieties. In Flood-prone and Haor areas Brridhan 29 is the predominant varieties. In drought-prone highlands such as in Dinajpur and Rajshahi, Brridhan 28 is the dominant variety in the dry season. In general, the rice biodiversity is very low at the district level, but as we move from district to Region and to the country as a whole biodiversity was still considerably high.

Table 3.1. Popular varieties in selected districts representing different agro-ecological zone

Region/district		Aman Season				Boro Season		
Rajshahi (Drought)	Swarna (47%)	BR11 (18%)	Brrri30 (7.9)	Brrri32 (5.6%)	Brrri28 (45%)	Brrri29 (19.4%)	Parijat (18.6%)	Brrri34 (7.4%)
Dinajpur (Highland)	Swarna (46%)	BR11 (28%)	Paijam (13%)	Katari (1.3%)	Brrri28 (25.3%)	Purbachi (15.8%)	BR16 (9.5%)	BR1 (9.4)
Kurigram (flood)	BR11 (65%)	Swarna (9.7%)	Paijam (7%)	BR20 (4.7%)	Brrri29 (49%)	Brrri28 (24.5%)	Heera (11.7%)	Jagoron (5.6%)
Faridpur (Flood)	BR11 (44%)	Shisumoti (13%)	Swarna (13%)	Brrri32 (4%)	Brrri29 (68%)	Brrri28 (7.7%)	BR14 (7.3%)	IR8 (5.2%)
Sunamgonj (Haor)	BR11 (40%)	Paijam (6.8%)	Brrri 32 (5.8%)	Brrri 29 (5.5%)	Brrri29 (50%)	BR19 (15.7%)	Brrri28 (11.4%)	Topa (5.7%)
Barisal (non- saline coast)	Mota (18%)	Vasihara (9.4%)	BR11 (7.1%)	Rajashail (4.4%)	Bhajan (43.7%)	Brrri29 (24.1%)	Kajla (23.5%)	Brrri28 (1.9%)
Satkhira (Saline coast)	BR10 (29%)	Brrri30 (23.4%)	BR11 (14%)	Swarna (9%)	Brrri28 (59.2%)	Jamaibabu (16%)	Minikit (6.5)	Brrri29 (6.3%)
Jessore (Diverse)	Swarna (39%)	BR11 (18%)	Brrri30 (15%)	BR10 (14%)	Brrri28 (32%)	Ratna (26%)	Minikit (9.4%)	Heera (4.3%)
Joypurhat (Favorable)	BR11 (50%)	Swarna (36%)	Paijam (8.4%)	Shilkamol (4%)	Brrri28 (45%)	Brrri29 (36%)	Purbachi (7%)	Brrri33 (4.2%)
Comilla (Diverse)	BR22 (25%)	BR11 (23%)	Brrri32 (11.7)	Tilbazal (5.5%)	Brrri29 (38.5%)	BR16 (18.9%)	Brrri28 (18.8%)	BR14 (5.5%)

The geographical dispersion of the most popular aman (BR11 and Swarna) and boro (Brrridhan 28 and Brrridhan 29) season varieties can be noted from the maps in Figure 3.2. There is distinct variation in the concentration of these varieties across locations. For the aman season, Swarna, the variety of Indian origin was heavily concentrated in the boarder districts located in the Eastern part of West Bengal. Its competitor, BR11 was concentrated in the middle, northern and eastern districts of Bangladesh. For the boro season, the pattern of concentration of Brrridhan 28 and 29 was distinctly different. Brrridhan 29 is heavily concentrated in the middle and Northeaster part of Bangladesh which is Jamuna, Padma and Kushiara flood plains. On the otherhand, Brrridhan 28 was concentrated in relatively highland areas, in the North and Western areas, the hilly areas in the Southeastern region, and the non-saline middle coastal region.

Figure 3.1 Coverage of most popular rice varieties by districts in Aman and Boro seasons



3.3 Varieties extinct or at risk of extinction

The farmers in the survey reported that they used to grow large number of traditional landraces of improved varieties earlier that have already been extinct on the way to extinction. Farmers mentioned names of 572 rice varieties in the aman season and 426 varieties in the boro season that they stopped growing or that are on the way to extinction. The important aman varieties are Nazir Shail, Loti Shail, Raja Shail, Balam, Binni, Digha, Kartik Shail, etc., while the most important aus/boro varieties are Haitta, Kotoktara, Gorla, Porangi, Kala Manik, Hasi Kalmi, Balam, Vaduri, Aguli, etc. However, there were variations in extinct popular varieties in different regions of Bangladesh. The main reason for dropping these varieties that were popular earlier is low yield, as reported by more than 70% of the farmers. The other reasons are long growing season, lodging because of long heights and weak stems, pest incidence, etc.

Table 3.2 Reasons for the extinction of traditional varieties

Reasons of extinct	First reason		Multiple answers	
	Number of farms	% of farms	Number of farms	% of farms
Low yield	8,031	77.1	8,039	72.8
Long growing period	469	4.5	672	6.4
Lodging problems	360	3.5	608	5.8
Low milling recovery	61	0.6	92	0.9
More pest pressure	256	2.5	310	3.0
Others	1,242	11.8	1,296	11.1
Total	10419	100	11017	100

3.4 Demand of Traits in Improved Varieties

The survey investigated the reasons for preference of most popular Boro varieties like Brridhan 29 and Brridhan 28. In the case of Brridhan 29, as the first response almost all the farmers (96%) reported that high yield (6.1 tons/ha) was the main reason for preferring this variety. From multiple responses along with high yield other important reasons as reported by the farmers were: eating quality (66%), lodging resistance (62%) and pest resistance (32%).

Table 3.3 Reasons for preference of popular varieties

Variety	Reason for preference	First response (%)	Multiple response (%)
Brridhan 29	High yield	96	98
	Eating quality	2	66
	Lodging resistance	0.5	62
	Pest resistance	0.6	32
Brridhan 28	High yield	64	68
	Eating quality	22	77
	Shorter maturity	8	69
	Pest resistance	5	20
	Lodging resistance	3	23

For Brridhan 28 high yield (5.1 tons/ha) was reported by a relatively smaller fraction of farmers (64%), but eating quality also figured prominently (22%). From multiple responses, the eating quality came out as the top factor (77%), followed by shorted growing season (69%) and then high yield (68%).

3.5 Process of Diffusion of Improved Varieties

3.5.1 Sources of first information about a newly released variety

For introducing any rice variety at the farmers’ level, reaching information to the farmers is very important. The survey revealed that field level staff of the DAE is the main source of first information of a new variety (Table 3.4). The extension contact is however biased in favor of large farmers. But enterprising farmers who first experiment with a new variety is often a source of information on performance of a new variety for the small and marginal farmers. Findings of the survey revealed that fertilizer traders are still not a good source of information of new varieties. Further, the role of Radio and TV for spreading information about a new variety remained limited at the time of the survey (Table 3.4).

Table 3.4 Sources (%) of first information about a new variety

Information source	Small farmer	Large farmer	All cases
DAE staff	48	70	58
Other farmers	38	17	28
Radio	1.9	1.2	1.6
Television	2.0	2.0	2.0
Fertilizer dealer	2.5	3.2	3.2
Relatives and friends	5.7	5.6	6.2
Others	1.8	1.8	1.6

3.6 Sources of Seed for Expansion of Area

Rice seeds used by the farmers can be broadly classified into four groups: modern varieties (MV) of Bangladesh origin, MVs of Indian origin, hybrid varieties and landraces or traditional varieties (TV). Findings from the field survey revealed that about two-third (64%) of the farmers used Bangladeshi MVs while Indian MVs were used by about 10% farmers and hybrids were used by less than 2 % farmers. About a quarter of the farmers still used traditional varieties in the year of the survey (2005).

The main source of seed as reported by farmers was own harvest (55% for Bangladesh MVs and 72% for the Indian MVs, see Table 3.5). The farmers do not produce the seed in a separate field. They sometimes identify the best looking plot of rice, takes good care of it by roughing and cleaning weeds, and the then dry it properly before storing it for the purpose of seed. But in most cases the seed is simply kept from the harvest after proper cleaning and drying. The Bangladesh Agricultural Development Corporation (BADC) is the main government organization in charge of producing and marketing quality seed. They get breeder seed from BRRI, produce foundation seeds and then grow certified seeds with contract growers (Hossain 2002). According to the farmers’ report BADC accounts for a small fraction. (25% of Bangladesh MVs) of the seed market for improved varieties. Indian varieties were spread through acquiring seeds from neighbors besides the farmers own seed. Fertilizer dealers and local seed companies were the main sources of hybrid rice seeds. However, about 23% of the farmers mentioned own harvest and neighbor as source of hybrid

seeds. It indicates some use of F2 seeds by farmers due to ignorance about hybrid seeds. The survey also revealed that traditional varieties are maintained mostly through use of own harvest and procuring seeds from neighbors. The seed market was not operative for supplying seeds of traditional varieties to farmers. So, most of the traditional varieties have been degenerated with mixture of other varieties and weeds, which are others reasons for low yield besides genetic traits. There is a need for pure line selection of these varieties by breeders for increasing the yield.

Table 3.5 Sources (% of cases) of seed for expansion of area

Sources of seed	Bangladesh MV	Indian MV	Hybrid	Traditional
Own harvest	52	72	18	82
Neighbor	13	21	5	15
Fertilizer trader	9	9	60	0
BADC	25	0	0	0
BRRI	0.2	0	0	0
NGOs	0.8	1.0	17	3
Total	100	100	100	100

3.7 Time Pattern of Adoption

The process of adoption of the two most popular boro varieties Brridhan 29 and Brridhan 28 was found to be more or less the same. Therefore, in this section, the adoption process of only Brridhan 29 has been discussed. The survey showed that it took about 3 years for full adoption of this variety once it is introduced in a village. However, small farmers and the tenants were faster adopters than larger farmers, despite the latter having more extension contact.

Time pattern of adoption of most popular Boro variety Brridhan 29 by ecological factors showed that since its inception (1995) the adoption was the highest in floodprone area followed by favourable, droughtprone and salt affected areas respectively. In terms of land type (according to flood depth), it was found that the adoption of this variety was the highest in very low land followed by low land, medium land and high land. Again, in terms of farm size, it was found that adoption of this variety was positively related to farm size while year wise allocation of land as percentage of total land was inversely related to farm size. This implies that in adopting Brridhan 29 although percentage of large farmers was higher than small / medium farmers over time, the large farmers allocated proportionally less land compared to others with small farm sizes.

Table 3.6 Time taken for full adoption of Brridhan 29 since introduction

Farm size	Area covered in first year (%)	Area covered in second year (%)	Full adoption (years)
Marginal	56	77	2.7
Small	31	47	3.0
Large	14	25	3.5

Time pattern of adoption of most popular Boro variety Brridhan 29 by ecological factors showed that since its inception (1995) the adoption was the highest in floodprone area followed by favourable, droughtprone and salt affected areas respectively. In terms of land type (according to flood depth), it was found that the adoption of this variety was the highest in very low land followed by low land, medium land and high land.

With regard to farm size, the adoption of this variety was positively related to farm size while year wise allocation of land as percentage of total land was inversely related to farm size. This implies that in adopting Brridhan 29 the large farmers allocated proportionally less land compared to small farmers.

Figure 3.2: Time Pattern of Adoption (cumulative % of area) by Farm Size Group, Brridhan 29

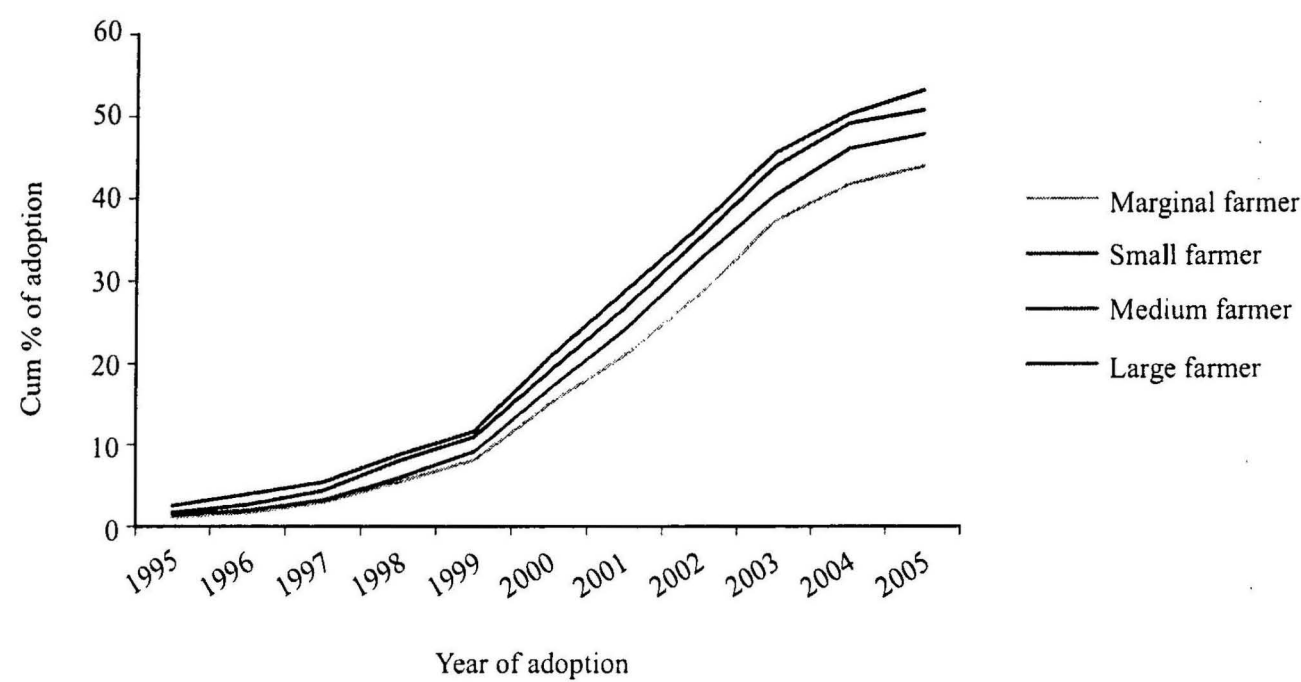
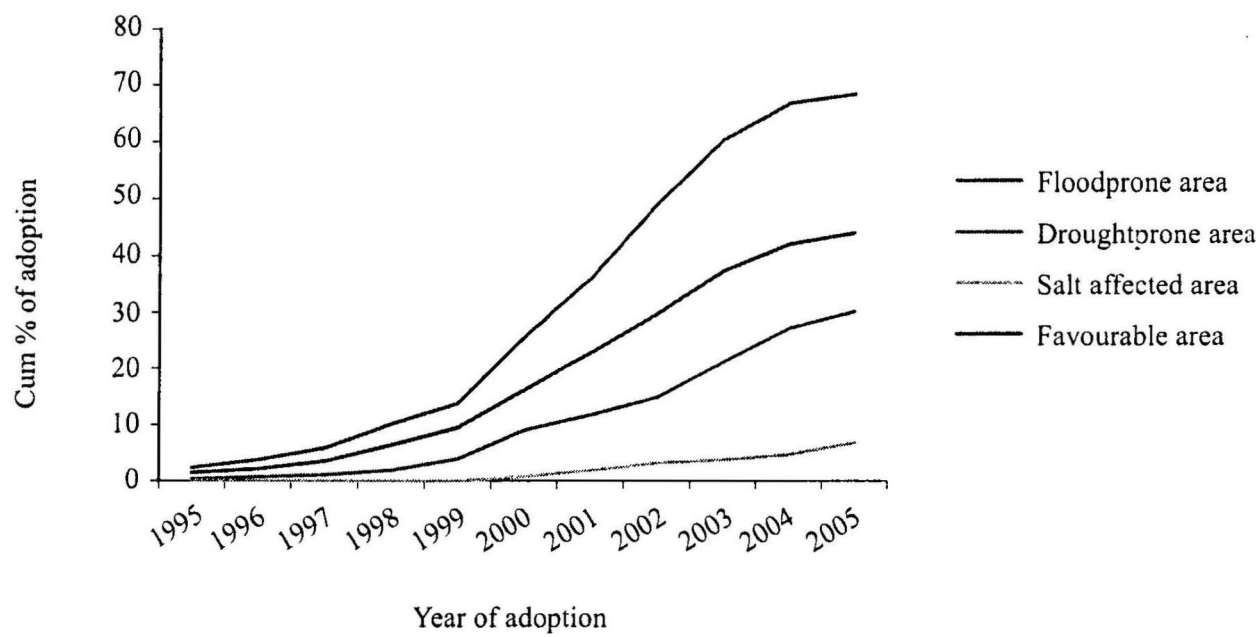


Figure 3.3: Time Pattern of Adoption (cumulative % of area) by ecological conditions, Brridhan 29



3.8 Fertilizer Use in Rice Production

Fertilizer use per hectare was found to vary according to rice variety. Compared to high yielding or hybrid varieties, use of all types of fertilizers was considerably low for traditional varieties. For example, per hectare use of Urea, TSP and MP for traditional varieties of rice were found to be 96.4 kg, 34.4 kg and

16.4 Kg. while for the most popular HYV Boro rice, Briddhan 29, these were 204.2 kg, 95.7 kg and 56.0 kg respectively. Again, uses of fertilizers for Hybrid rice like Jagoran, Hira, etc. were found to be a bit higher than HYVs. Use of fertilizers was also found to vary considerably in different districts. For example, in the case of Urea, high dose is used in the districts of Chuadanga (260 kg/ha), Munshigan (236 kg / ha), Sirajganj (213 kg / ha), etc. compared to the districts of Patuakhali (73 kg / ha), Maulvibazar (86 kg / ha), Pirojpur (95 kg / ha), etc.

3.9 Use of Irrigation

Except salt affected area, irrigation is widely used in all over Bangladesh. In the salt affected area about 47% of the farmers do not practice irrigation while in the favourable ecological area about 92% farmers use irrigation. Again, only about 28% farmers own irrigation equipment while majority of the farmers (62%) buy irrigation water from the machine owners. Shallow tubewell was found to dominate as a source of irrigation, the share of which was about 72% compared to 20% of Low Lift Pump and about 8% for other types of irrigation technologies.

3.10 Conclusions

Considerable diversity still exists for rice varieties at the farm level in Bangladesh. However, the diversity is high in the Aman and Aus seasons than in the Boro season. It also showed that a few varieties dominate the landscape; often three to five varieties account for over half of the total land area. Some varieties of Indian origin such as Swarna, Bhajan, Parijat, and Minikit (shatabdi) and Nayanmoni are found grown in substantial land in districts bordering eastern part of West Bengal because of their shorter maturity, drought resistance and good grain quality.

Many farmers keep traditional varieties of their choice for the special traits that they value in that variety. High yield is the predominant trait that the farmers want in a new variety. However, they also prefer shorter maturity for more intensive land use, and good quality for premium prices. Hybrids are becoming popular despite the high seed cost because of their 1.0 to 1.5 ton yield advantage.

Findings in relation to process of adoption and diffusion of new variety showed that extension officials are the dominant source of first information of a new variety, but the extension contact is biased in favor of large farmers. For small and marginal farmers, enterprising farmers are the major source of information of an improved variety.

A new variety spreads very fast once the farmer is convinced of its good traits of their liking. It takes about three years to diffuse a variety to its potential area in a village after their introduction. The area covered however does not go beyond half to two-thirds of the area. The survey also revealed that many traditional popular varieties are on the way of extinction because of low-yield and lower profitability compared to improved variety.

The policy implications of the study are as follows:

- It is easy to reach consumers with a new trait such as iron, zinc, and Vitamin-A by incorporating them on a few dominant varieties.
- In order to increase the yield of rainfed varieties the breeders must focus on incorporating environmental stresses such as submergence tolerance and saline tolerance, and drought tolerance.

- There is a need to give priority to pure line selection of popular traditional varieties with special traits, to help them compete with improved varieties.
- The R&D system should take an active role for on-farm conservation of traditional land races, as farmers may not keep them because of their low yield and profits compared to high yielding improved varieties.

APPENDIX TABLES

APPENDIX 1: RICE VARIETIES IN BANGLADESH BY SEASONS

Table 1.1: Area and Yield of Rice Varieties in Bangladesh: Aman Season

Variety Name	Sample Size	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	6029	26.53	3.92	0.013
Swarna (Indian)	2623	11.56	3.79	0.020
Paizam	2140	7.45	3.29	0.018
BR-22/Kiron	1127	4.25	3.56	0.031
Brridhan 32	1020	3.28	3.86	0.035
Sada Mota	619	3.05	2.29	0.026
Brridhan 30	810	2.97	3.95	0.029
BR-10	661	2.52	3.98	0.037
BR-23/Disharee	465	1.87	3.50	0.044
Kala Shail	417	1.73	2.19	0.033
Mota Dhan	220	1.34	2.42	0.039
Brridhan 41	344	1.10	4.16	0.051
Brridhan 40	320	0.93	4.02	0.059
Lalmota	204	0.90	2.34	0.045
Brridhan 39	291	0.86	3.84	0.064
Chikon	295	0.70	2.34	0.038
Brridhan 33	248	0.66	3.77	0.073
Mota Mota	177	0.61	2.38	0.041
Dudsar	228	0.59	2.41	0.039
Balam	215	0.57	2.15	0.054
Nazir Shail	178	0.56	2.44	0.053
Mowlata	221	0.54	2.55	0.030
Anam	67	0.49	2.28	0.068
Birui	174	0.48	2.29	0.059
Barri Dhan 28	143	0.45	3.85	0.086
Beto	38	0.45	2.19	0.138
Joyna	110	0.44	2.07	0.061
Brridhan 29	103	0.43	4.11	0.106
Raja Shail	149	0.43	1.99	0.048
Kali Zira	329	0.40	2.07	0.038
Maloti	124	0.40	2.20	0.057
Bajal	92	0.39	1.86	0.092
Khama	106	0.36	1.71	0.058
Zabra	82	0.35	1.90	0.073
BR-3/Biplob	76	0.34	4.23	0.122
Chapillya	92	0.34	2.34	0.057
Chini Atob	114	0.32	2.52	0.057
Kamlamota	55	0.31	2.53	0.071
Shishumoti	109	0.30	1.78	0.067

Variety Name	Sample Size	% of Area	Yld ton/hac	SE of Mean
Binni/Kashia Binni	245	0.30	2.44	0.049
Jali Aman/Baran/Chamara	56	0.30	2.00	0.083
Brridhan 31	131	0.30	4.19	0.076
Gaindha	111	0.30	2.34	0.056
Moyna Shail	74	0.28	1.87	0.097
Brridhan 34	85	0.27	2.86	0.072
BR-14/Gazi	70	0.26	4.24	0.148
Jamaibabu	53	0.26	2.07	0.067
Rahman	62	0.24	3.51	0.133
Vushi Hara	70	0.24	2.47	0.038
Sharna Basuri	42	0.22	2.76	0.219
Hizlee digha	56	0.21	1.56	0.125
Digha	54	0.21	1.83	0.099
Bowalil	48	0.20	1.28	0.077
BR-25	39	0.20	4.13	0.166
Gigaj	78	0.19	2.11	0.090
Gochchha	53	0.19	2.24	0.127
Kartik Shail	75	0.19	2.01	0.070
Kuri Agrahonee	75	0.18	2.40	0.054
Loti Shail	45	0.18	2.24	0.099
Jadu	47	0.18	2.45	0.131
Barma	38	0.18	3.18	0.056
Guri Afsi	49	0.18	2.85	0.055
Dopa	60	0.17	2.05	0.095
BR-16/Shahi Balam	42	0.17	4.87	0.165
BR-2/Mala IRRI	69	0.17	3.08	0.111
Pakri	28	0.16	2.12	0.070
Tulsimala	69	0.16	2.30	0.070
Dingamoni	68	0.16	2.17	0.073
Bhajan (Indian)	54	0.16	3.46	0.116
Gabura	59	0.15	2.16	0.087
Zari Shail	36	0.15	2.57	0.142
Pakzar	54	0.14	2.59	0.076
Ashail	26	0.14	3.01	0.210
Mondhashor	37	0.14	2.32	0.099
Porchum	43	0.13	1.82	0.096
Sakchor Khora	89	0.13	2.23	0.067
Joya (Indian)	24	0.13	3.44	0.206
Gorfa	40	0.13	1.38	0.088
Kutimoni	54	0.13	2.33	0.065
Boron Dhan	29	0.12	2.06	0.175
Shapahar	33	0.12	2.62	0.124
BR-1/Chandina/Chaina	36	0.12	3.34	0.168
Jalkumari	33	0.11	2.40	0.116
Goria	27	0.11	2.49	0.073
Chik Shail	25	0.10	2.13	0.120
Halui	40	0.10	2.58	0.116
Nayaraz	25	0.10	2.80	0.106

Variety Name	Sample Size	% of Area	Yld ton/hac	SE of Mean
Dudmanor	35	0.10	2.35	0.100
Parijat	24	0.10	3.23	0.222
Chinigura	57	0.10	2.22	0.079
BR-20	29	0.09	3.13	0.182
Tilbazal	30	0.09	2.09	0.092
Kajol Lota	38	0.09	2.54	0.077
Monohor	24	0.09	2.23	0.154
Lal Digha	37	0.08	2.07	0.075
Sonalee	26	0.08	3.12	0.210
Aloi	26	0.08	2.45	0.166
Afsaya	24	0.08	2.66	0.079
Lal Dhan	30	0.08	2.72	0.189
Sail Grimi	50	0.07	1.86	0.046
Moirol	35	0.07	1.70	0.099
1014 Dan	25	0.07	3.01	0.147
Mal Sira	29	0.07	2.65	0.081
Shail	27	0.07	2.13	0.101
Moynamoti	38	0.07	2.50	0.111
Piprarladh	28	0.06	1.92	0.122
Ratna (Indian)	27	0.06	3.20	0.228
Takpail	24	0.04	1.17	0.069
Raj Vogue	39	0.04	1.89	0.098
Other*	2589	8.48	2.43	0.020
All	26,862	100.00	3.27	0.007

*Other Aman Varieties Grown: Nakhuchi, Bashful, Latma, Boware, Hirbal, BR-12, Agla Shail, IT, Hazishail, Bashmati, G,S-1, Kalai Aman, Khasa sugandi, Pajjar, Khirkunni, Thega, BR-26/Shraboni, Golapi, Patija, Chaolamagi, Kachamota, Lil Khama, Motohari, Chan Moni, Howai, Bawn Khair, Boyra, Mura Vazal, Lal Balam, Buro Afaz, Nonakhiricha, Jafar, Silcti Iri, Rosmala, Bashir Raj, Kauyatuthi, Kala Manik, Nagpechi, Jota Aus, Fulkoroi, Parichak, Parba, Kantahari, Hasem, Lotar Mota, Shomon, Tilkapur, Taipe, Benama, Murkeemala, Shil Komol, BR-27, Lalmoni, Basmu Irri, Lakkhmi Kazal, Shabana, Kalikora, Panza, Lakkhee Digha, Kataree, Deshi digha, Shail Kaila, Roychikon, Khillai, Baidha Raj, BR-5, Agunail, Dali Khama, Kabrock, IR-50, Kachra, Loha Dang, Gobindha Vog, Haitta, Chengree, Katari Bhog, Birkona/Pala, Luturi, Kelendar Mota, Bastan, Zoal, Fulkori, Nayanmoni, Marich Shail, Mota Miniket, Purbachi, Anamika, Rahmat, Bagraz, Kaittal, Furabati, Chakkal, BR-8/Asha, Lukee, Pan Kech, Dol Kachua, Furabi Shail, Lal Challisha/Hireem, Bona Aman, Hira (Hybrid), Tepa Aman, Kumra Garuai, Baghdar, Hugli, Girbi, Bina-4, Benapol, Kakani Bati, Badiuzzaman, Soman Sharna, Sada Sharna, Iriton, BR-19, BR-4, Indor Shail, Mongal, Bashiraj, Sonarbangla, BR-21, Shiyali Boran, Hida, Khatbada, Kaladhan, BR-9, Bhasa Manik, Jinga Sail, Chengai, Isagura, IR-8, Depur, BAU - 63, Modhu Shail, BRRi Shail, Pilpilais, Aynashail, Jalkaydha, Khuchimakhi, Kargil, Sada Anaima, Salna, Khayer Manor, Sadagabura, IRRI-20, BR-15/Mohince, Kala Digha, Manik Digha, Zira Shail, Brridhan 38, Harhari, MT, Nalcom, Tangail, Gotbas, Matpan, Balenga, Gaura Kazal, Jhaula, Chamara, Monon, Sammahari, Hasful, Khilnoail, Chaprash, Khasha, Niha, Jumur, Ranajit, Sadajabra, Pahari Jata, Aloke, Dhairol/Fairol, Sona Digha, Kocho, Bota Dhan, Jamros, Enda, Agur, Lal Pajjam, Patishail, Amshail, Kalokora, Gowrishail, Kalarthor, Gutak, Naspati, Lakhi, Ailaguta, Bagtulshi, Gol Irri, Kanni, Eyeret, Achhmuita, Porangi, Jagla, Jasoa, Bina-6, Deshi Boro, Folana, Borsalee, Kolom Debi/Deshi Kolom, Balaka, Begunbichi, Malbuk, CM, BR-50, Jiramoti, Brridhan 36, Belombori, Haringha Diga, Chakulla, Kazla, Komak Kamini, Mugi, Kumirgar, Mangiri, Abdul Ali, Kanamadhari, Companyshail, Mogh Balam, Macrashail, Kali Buro, Kalamakhaba, Baturimota, Nidhan, Sugandi, Theika, Dakali, Sovaraz, Vaital, Hasidhan, Mollahdiga, Khamira, IRRI-9, Dasbiruinc, Muralee, Rayenda, Billalaha, Matir Chak, Ashince, Pani Shail, Sate Boal, Tetulla, Jaldepa, Baku Dhan, Gurun, Halgreemi, Shawni, Dangairri, Khaiya Boro, Lakkhi Bilas, Ekor Chaoli, Goyramuri, Royati, Poymol, Bosidhan, Chalaki, Boro Baish, Oliraj, Hasi Kalmi, Putisail, Lohachura, Naldigha, Jamir, Jali Aus, BR-54, Tarab Ali, Kaladhama, Rajamoral, Nilkomar, Masrangha, Ukilimadhu, Kamal Vog, Khunchi, Charbalashsar, Sagar Fona, Baish Moni, Gothara, Munsir Irri, Sahar Moni, Gada Banga, Vole Selut, Brridhan 37, Eide, Sufala, Mukh Kalali, Musuri, Agne Moujan, Rabot, Jupri, Kala Mona, 802 Dan, Badsha Vogh, Hasmukha, Tal Zota, Sonargira, Aush-Amon Misro, Fulbadam, Azal Digha, Sarsaria, Lal Bhowla, BR-68, Koijuree, Naroi, Lohatung, Manik Muri, Amanchalla, Mariom, Malanche, Zatu, Chaineese, Chhitano Aus, Dhalce Chikon Dhan, Vaturee, Dhalgora, Moynatiya, Kala Bakri, Pathor Nuti/Pathor Nuri, Asmon Silkee/Agomon Silkee, Asamee, Bharoti Pajjam, Aoyjon, Kolbiz, GB-4, Sinal, Rajkumar, BR-1/Beri, Kalomegi, BR-64, Dulai, Malsiraj, Kaktara, Savar, Nariya Diga, Polajol, Shempura Aman, Aftab, Chandra shail, Nuniya, Choto Irii, Tipushail, Kalimatiya, Kawra, Phankhiraj, Lalkhora, Champali, Kiran, Billun, Lahagaocha, Sundarlata, Moslam, Naikolzari, Urikabra, Chingri, Daud Bajal, Taramondal, Bindha Kustari, Haldabata, Sattar Vog, Batershar, Merry, Khurkuti, Abdul Hai, Baraikka, Lawla, BR-18, Patlai, Pani Khuri, Patnai, Ranger Gura, Shuiyajara, Peshaba, Nagra, Kaligaj, Dhan 79, Deboni, Gelong, Samji, Babui, Surjamani, Basa bigi dhan, Tansama, Lembru, Shalkani, Andar Manik, Pathak, Itali, BR-6, Magura, BR-17, 86 Dan, Royakhali, Baspar, Vadra Grimi, Gorabai, Shailamotor, 96 Dhan, Bachow, GRC-866, Amidikhan, Solkuri, Dotala, Manberi, Shirbol, Callbridge, Nolaz, Bondha Bati, 1023 Dan, 1002 Dan, Kalirai, Joydeb, Banaful

Table 1.2: Area and Yield of Rice Varieties in Bangladesh: Boro Season

Variety Name	Sample Size	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	6485	36.23	6.13	0.017
Brridhan 28	5385	23.15	5.11	0.016
BR-16/Shahi Balam	773	3.07	5.20	0.043
BR-14/Gazi	661	2.94	5.09	0.042
Ratna (Indian)	553	2.79	5.14	0.043
Bhajan (Indian)	628	2.79	5.99	0.065
BR-1/Chandina/Chaina	461	2.28	4.45	0.053
Hira (Hybrid)	534	2.09	7.54	0.070
BR-3/Biplob	487	2.00	5.62	0.060
Purbachi	291	1.20	4.68	0.070
Parijat	232	1.12	5.08	0.073
Mota Miniket	183	1.09	5.22	0.085
Iriton	282	0.94	5.36	0.068
Paizam	227	0.93	4.23	0.078
BR-26/Shraboni	200	0.83	4.92	0.073
BR-11/Mukta	163	0.77	4.56	0.107
IR-8	198	0.70	5.99	0.108
Jagoron (Hybrid)	155	0.60	7.08	0.120
BR-19	106	0.58	4.61	0.106
G,S-1	122	0.56	3.03	0.556
Kazla	101	0.55	3.90	0.108
BR-2/Mala IRRI	107	0.53	4.62	0.101
Nayanmoni	138	0.47	5.27	0.085
BR-8/Asha	90	0.44	5.71	0.172
Belombori	103	0.42	3.69	0.118
Joya (Indian)	115	0.41	4.85	0.110
Kajol Lota	95	0.39	3.73	0.273
Benama	88	0.38	3.92	0.060
BR-12	84	0.34	4.12	0.107
Sonarbangla	83	0.33	6.28	0.217
Brridhan 36	78	0.32	5.61	0.188
Brridhan 33	87	0.30	4.93	0.112
Taipe	81	0.27	4.51	0.174
IEET	72	0.25	5.88	0.153
Bina-6	71	0.23	5.38	0.243
Brridhan 32	30	0.21	4.78	0.159
Gol Irri	30	0.20	4.72	0.136
Dopa	24	0.19	4.15	0.294
Abdul Hai	24	0.19	4.13	0.076
BR-15/Mohinee	36	0.18	5.03	0.336
Deshi Boro	26	0.18	2.79	0.108

Variety Name	Sample Size	% of Area	Yld ton/hac	SE of Mean
Aftab	43	0.18	7.95	0.227
BR-10	37	0.18	4.90	0.197
IR-50	70	0.17	4.55	0.157
Lal Dhan	44	0.17	4.00	0.125
Ussa IRRI	23	0.16	5.03	0.143
Ashail	18	0.16	2.95	0.160
Godha IRRI	25	0.14	5.01	0.236
BAU - 63	28	0.13	4.06	0.293
Brridhan 68	26	0.12	4.75	0.233
Khaiya Boro	37	0.12	2.52	0.093
Jupri	26	0.11	4.29	0.049
Kalingha	37	0.11	4.80	0.141
Gotbas	26	0.11	3.14	0.156
Aynashail	23	0.10	3.43	0.136
Moynamoti	21	0.09	4.05	0.094
Swarna (Indian)	20	0.09	5.19	0.405
Brridhan 40	27	0.09	5.77	0.277
Binni/Kashia Binni	56	0.08	3.15	0.128
Sileti Iri	26	0.08	3.43	0.301
Kargil	19	0.08	3.56	0.349
Chikon	21	0.07	3.80	0.159
Kanni	22	0.07	4.00	0.128
Brridhan 50	20	0.07	4.69	0.279
BR-20	23	0.06	4.79	0.146
Mala Shail	18	0.06	4.22	0.194
Paijar	19	0.06	2.30	0.249
Eyeret	22	0.06	5.69	0.168
Anamika	20	0.05	3.47	0.579
Other*	943	3.78	3.75	0.059
Total	21,403	100.00	5.45	0.011

*Other Boro Varieties Grown: 76 no. Dhan, Shabana, Narikel Badi, Anam, BR-6, Aloke, BR-9, Brridhan 39, Zari Shail, Sonalce, Mongal, BR-5, Shahajalal, Tangail, Bitla, BR-21, Jagla, Loti Shail, Boron Dhan, Charbalashsar, 96 Dhan, Minigat, Hidir, China Atob, Balam, Raicha, 86 Dan, Sadasis, Haitta, Gaindha, Brridhan 30, Borsalce, Lakkhi Bilas, Bashmati, Sufala, Akther, 94 Dan, Gochchha, Beto, CM, Kala Shail, BR-24, A.L.P-50, IRRI-20, Shail, Lakhai, Bina-5, Khara Chamila, Achhmuitta, Goura Kazal, Sakchor Khora, Lalmota, Boro Baish, BR-1/Beri, BRRI Shail, BR-18, Lakhi, Gothara, Ratul, Dotala, Gorai Mastan, Khama, BR-22/Kiron, Aush-Amon Misro, Jadu, BR-4, Kolom Debi/Deshi Kolom, Kali Zira, Atom, Asamee, Kutimoni, Chini Atob, Chaiti Dhan, Sinnal, Kalikora, Ratha, Naikolzari, Rupshaw, Dular, Paddy-601, Agunail, CS-25, Gazzali, 802 Dan, Dari Shail, Pan Pata, Joyna, Billalaha, Khaia Motor, Matir Chak, Tulsimala, Agla Shail, Maitta Gorol, Sada Mota, Badhai Chiton, Gigaj, Kolbiz, Dumai, Kaika, Rice R, Hazishail, Choto Irii, Brridhan 38, Abdul Ali, Comilla-RR1, Gutak, Paddy-532, Janadha, Saiful, Bina-4, Aloron, Bulet, Kelendar Mota, Bachow, 1014 Dan, Hasmukha, Katoktara Porchum, Hizlee digha, Porangi, BR-23/Disharee, Lakkhee Digha, Chengree, Boilian, Sonargira, Zabra, Nun Chharatul, Pan Kech, Ashinee, Jasoa, Alo, Birui, Fulbadam, Dudsar, Gorla, Nakhuchi, Jashoree, Mota Dhan, Mati Chal, Folana, Raja Shail, Mota Mota, Gurun, Brridhan 31, Marich Shail, Deshi Gama, 68 no. Dhan, Bharosa, Bota Dhan, Bajal, Sarkaree, Kuishwari, Maloti, Kalom, Begunbichi, Enda, Jhaura, Ranisent, Soinik, Surma IRRI, Kalomegi, BR-64, Brridhan 41, BR-25, BR-27, Bowalil, Saital, Birkona/Pala, Kalimatiya, Bagraz, Khillai, Asakumra, Barud, Tarab Ali Mohish Kandi, Batershar, Kalarthor, Buro Afaz, BR-63, Guda, Namsaya, Taki, Mondhashor, Chaprash, BAU-68, Piprarladh, Khasha, Gopalveri, Munsir Irri, Painot, Barma, Samji, Surjamani, BR-17, Mukh Kalali, Tomtom, Hajak, Neyamat, Panza, IR-10, Subid-1, Basmu Irri, Isagura, Palabir, Kala Mona, Sadajabra, Pahari Jata, Kabrock, 208 Dan, Dan 202, Hiramoni

Table 1.3: Area and Yield of Rice Varieties in Bangladesh: Aus Season

Variety Name	Sample Size	% of Area	Yld ton/hac	SE of Mean
Brridhan 28	675	9.03	3.87	0.042
Haitta	598	8.28	2.03	0.023
BR-2/Mala IRRI	441	6.90	3.13	0.047
BR-1/Chandina/Chaina	334	5.08	3.29	0.049
BR-3/Biplob	300	4.75	3.73	0.079
IR-50	199	3.11	3.18	0.061
Porangi	154	2.71	1.50	0.036
Parijat	168	2.67	3.44	0.060
Kali Buro	144	2.55	2.12	0.037
BR-27	221	2.39	3.61	0.065
BR-21	145	2.32	3.97	0.090
Purbachi	133	2.12	3.45	0.075
BR-14/Gazi	189	2.03	4.07	0.080
BR-26/Shraboni	142	1.77	3.66	0.085
BR-20	143	1.76	3.16	0.063
Daw-IRRI	61	1.57	3.24	0.149
Muralee	71	1.47	2.05	0.091
Ratna (Indian)	124	1.29	3.21	0.079
Hasi Kalmi	64	1.26	1.87	0.074
Abdul Hai	61	1.08	3.25	0.041
Kali Aus	36	0.97	1.70	0.122
BR-12	86	0.97	4.03	0.119
Bhajan (Indian)	66	0.96	3.84	0.104
Gelong	49	0.88	1.68	0.095
Paizam	59	0.83	2.93	0.115
Brridhan 50	45	0.82	3.13	0.129
BAU - 63	36	0.81	3.34	0.097
BR-16/Shahi Balam	73	0.78	3.93	0.094
Hajak	29	0.75	2.88	0.134
BR-19	55	0.73	3.94	0.165
Binni/Kashia Binni	43	0.71	2.43	0.107
Nayanmoni	63	0.67	3.64	0.115
Guda	38	0.66	2.97	0.098
Sileti Iri	40	0.65	3.28	0.078
Aush-Amon Misro	54	0.63	2.41	0.098
Mala Shail	42	0.63	4.46	0.134
Paijar	36	0.61	2.49	0.121
BR-11/Mukta	34	0.60	3.15	0.114
Ami	19	0.58	1.48	0.000
Brridhan 29	46	0.56	4.04	0.162
G,S-1	45	0.54	2.62	0.217
Sulai	27	0.48	1.94	0.064
Sangkarpati	17	0.44	2.67	0.080
Paddy-532	19	0.43	2.97	0.153

Variety Name	Sample Size	% of Area	Yld ton/hac	SE of Mean
Chengree	30	0.42	1.49	0.092
Brridhan 32	20	0.42	3.97	0.182
Barchamuri	21	0.40	1.62	0.107
Batershar	22	0.40	2.18	0.100
Halui	35	0.40	2.52	0.161
BR-18	26	0.35	3.85	0.288
BR-9	29	0.34	3.75	0.241
Manik Muri	29	0.34	1.85	0.069
Kala Manik	28	0.33	1.69	0.104
Kala Bakri	27	0.32	1.74	0.118
Brridhan 33	26	0.31	3.92	0.223
Boilian	21	0.30	1.66	0.092
Taipe	29	0.30	2.93	0.092
BR-8/Asha	28	0.29	4.20	0.153
BR-1/Beri	17	0.29	3.29	0.181
Kachabadam	17	0.28	1.31	0.107
Bailam	17	0.26	2.22	0.152
Sonalee	33	0.26	3.13	0.194
Hizlee digha	20	0.25	2.13	0.112
Chikon	17	0.24	2.80	0.200
Ratul	17	0.23	2.24	0.160
Naroi	29	0.23	1.72	0.102
Kajol Lota	24	0.22	2.89	0.080
Bona Gambir	19	0.22	1.19	0.174
Kelendar Mota	19	0.21	2.06	0.090
Matir Chak	21	0.20	2.01	0.110
Joya (Indian)	19	0.17	3.82	0.282
Vhenamuri	18	0.13	2.53	0.089
Mohislam	17	0.08	2.25	0.085
Other*	803	10.97	2.42	0.039
All	6902	100.00	3.01	0.015

*Other Aus Varieties Grown: Kutimoni, Royati, Swarna (Indian), Mota Miniket, Gurun, Marich Shail, Jota Aus, Mowmor, Munsur, Kabrock, Aoyjon, Ussa IRRI, Khara Chamila, Kala Mona, Katoktara, Chingri, Nitsupru, Surjamani, BR-10, Jamaibabu, Kargil, Botal Irri, Harin Raja, Lakkhee Lota, Shani, IEET, Sinnal, Jalkumari, Kalikora, BR-4, Hira (Hybrid), Lakhi, Kanni, Ranguai, Iriton, Balam, Pathor Nuti/Pathor Nuri, Moynamoti, Merry, Craning, Karchamuri, IR-8, Goura Kazal, Loti Shail, Topa Boro, Paddy-601, Demchi, Gotbas, Pathe, IR-10, 96 Dhan, Vushi Hara, Brridhan 40, Bagtulshi, Gandari, Kabir Manik, BR-22/Kiron, Billalaha, 76 no. Dhan, Kala Shail, Zira Shail, Boro Baish, Dumai, Kalimatiya, Pawsatu, Kanchon Mogi, Dudraj, Mongson, Playing, Parba, Chapa Khai, Tufan Irri, IRRI-20, Khama, BR-15/Mohinee, Gorfa, Jagla, Deshi Boro, Raja Shail, Vaturce, Porbati, Lal Dhan, Sonarbangla, Aftab, Gaba, Sribalam, Mondhashor, Moirai, BR-5, BR-24, Tansama, Shalik, Dan 202, Aloke, Dhairai/Fairol, Pan Pata, Benama, Bina-6, Digha, Baro Mukha, Brridhan 30, BR - 7, Kali Zira, Maloti, CM, BR-25, Brridhan 39, Tipushail, Shiyali Boran, Gumbir, Tangail, Patlai, Raicha, Choto Mallik, Sufala, Sada Aus, BR-6, Ashail, Bachow, Gutti Lata, Bahai, Jupri, Palki, Dari Shail, Tilbazal, Gaidha, Lukee, Fulkori, Zabra, Lal Digha, Khaia Motor, Sona Digha, Manik Digha, Aloji, Birui, Anam, Fulbadam, Hidir, Dudsar, Agla Shail, Gorai, Baku Dhan, Shail Kaila, Gochchha, Monohor, Brridhan 31, Bharosa, Bota Dhan, Bajal, Uttar Nagra, Muktahar, Shawni, Begunbichi, Asamee, Lal Challisha/Hircem, Shornpari, Mongal, Moyna Shail, Monon, Kumari, Chini Atob, Jagoron (Hybrid), Shabana, Belombori, Rahman, BRRRI Shail, Kalomegi, Saital, Birkona/Pala, Araila, Shempura Aman, Anamika, Kazla, Hingsuri, Harhari, Phankhiraj, Jali Aus, Gayal, Zari Shail, Companyshail, Asakumra, Rajamoral, Burolambi, Parichak, Banglai, Godha IRRI, Haldabata, Howai, Safnail, Ingra, Charbalashsar, Kamlamota, Boware, Atlail, Maniktara, Benamuri, Maising, Bangbui, Gazzali, Kakani Bati, Gatadungra, Pathak, Moi Dhan, Khandalla, Kalingha, Neyamat, Panza, Devog, Amidikhan, Bikram, Eyecet, Nokidumra, Bailaforale, Sharna Basuri, Sigral, Charui, Sani, Shomon, 532 Dan, Hadiya

APPENDIX 2: RICE VARIETIES IN BANGLADESH BY REGIONS

Table 2.1: Area and Yield of Rice Varieties in Rajshahi Region in Aman Season

Variety Name	Sample Size	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	1269	39.16	3.88	0.026
Sarna	1065	31.41	3.84	0.029
Paizam	451	10.92	2.99	0.034
Chini Atob	98	1.72	2.58	0.059
Brridhan 32	77	1.35	4.00	0.122
Brridhan 34	49	0.97	2.67	0.075
Pakri	28	0.91	2.12	0.070
Brridhan 39	49	0.80	3.95	0.158
Brridhan 33	58	0.74	3.43	0.159
Shapahar	32	0.62	2.61	0.127
BR-2/Mala IRRI	39	0.59	2.98	0.108
Brridhan 30	35	0.58	3.72	0.154
Joya (Indian)	13	0.58	3.15	0.176
Shomon	17	0.52	-	-
BR-20	23	0.45	2.78	0.108
Digha	17	0.35	2.14	0.159
Brridhan 41	16	0.34	4.24	0.304
Brridhan 40	20	0.33	4.28	0.354
Jadu	17	0.31	3.25	0.038
BR-1/Chandina/Chaina	13	0.27	2.83	0.230
Paitja	19	0.22	2.09	0.119
Gaindhra	18	0.21	2.25	0.119
Kataree	14	0.15	2.21	0.212
Khirkunni	14	0.08	1.95	0.128
Other*	373	6.39	2.75	0.058
Total	3824	100.00	3.53	0.017

*Other Variety Grown: BR-10, Brridhan 29, Shail, BR-25, Dopa, Kali Zira, Lal Challisha/Hireem, Lal Dhan, Soman Sharna, Sada Sharna, Kartik Shail, Beto, Khatbada, Nazir Shail, Rahman, Hida, Brridhan 28, Parijat, Gochchha, Benapol, Salna, Iriton, Shil Komol, Bcwalil, BR-23/Disharee, Depur, Tilkapur, Brridhan 31, Zira Shail, BRRRI Shail, Ranajit, Haitta, IRRI-20, Hizlee digha, Chengree, Nayanmoni, Indor Shail, Purbachi, Agur, Raj Vogue, Jiramoti, Bashmati, BR-5, Bina-4, Sovaraz, Khamira, BR-22/Kiron, Ashinee, Jasoa, IR-50, Aloï, BR-12, Dudsar, Katari Bhog, Pani Shail, Pakzar, Jaldepa, Binni/Kashia Binni, Balaka, Begunbichi, Dangairri, Sonarbangla, IT, Harhari, Mugi, Abdul Ali, Ukilimadhu, Kanni, Jupri, BR-3/Biplob, IRRI-9, Aloke, BR-26/Shraboni, Rayenda, BR-9, Bina-6, Deshi Boro, Mal Sira, Lal Bhowla, Sonalee, Foana, BR-4, Malanchee, Chainese, Shawni, Pathor Nuti/Pathor Nuri, Loha Dang, Enda, Asamee, Bashiraj, Modhu Shail, Maibuk, Boron Dhan, Bona Aman, Brridhan 36, BR-64, BR-27, Jinga Sail, Anamika, Tipushail, Kalokora, Bashi Raj, Taramondal, Nilkomar, Khasa sugandi, Brri Dhan 18, Sugandi, Sahar Moni, Pathak, Itali, Magura, Balenga, 96 Dhan, Bachow, Badsha Vogh, Kalirai, Joydeb

Table 2.2: Area and Yield of Popular Variety of Dhaka Region in Aman Season

Variety Name	Sample Size	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	1024	33.56	3.89	0.028
Paizam	705	18.92	3.27	0.031
Brridhan 32	155	3.81	3.97	0.074
Sarna	99	2.90	3.32	0.095
BR-22/Kiron	76	2.43	3.25	0.104
Birui	77	2.11	2.41	0.078
Nazir Shail	84	2.05	2.49	0.069
Jali Aman/Baran/Chamara	43	1.60	1.92	0.075
Bowalil	43	1.42	1.31	0.079
Guri Afsi	49	1.36	2.85	0.055
Tulsimala	67	1.17	2.28	0.071
Brridhan 28	44	1.02	3.17	0.127
Balam	31	0.96	2.41	0.102
Jadu	28	0.90	2.02	0.135
Hazishail	22	0.88	2.53	0.106
Brridhan 29	33	0.85	4.21	0.144
Hizlee digha	30	0.83	1.55	0.182
Halui	40	0.81	2.58	0.116
Kali Zira	97	0.78	1.88	0.069
Rahman	27	0.75	3.14	0.141
Brridhan 30	30	0.75	3.72	0.122
Golapi	21	0.74	2.75	0.134
Brridhan 41	29	0.70	4.10	0.181
Buro Afaz	19	0.68	2.17	0.287
Baidha Raj	14	0.65	2.60	0.128
Pakzar	30	0.63	2.49	0.096
Afsaya	24	0.59	2.66	0.079
Aloi	23	0.59	2.36	0.163
Binni/Kashia Binni	33	0.55	2.31	0.116
Maloti	26	0.55	2.45	0.123
Jalkumari	21	0.53	2.13	0.139
Mal Sira	28	0.53	2.65	0.084
Chapillya	16	0.53	2.28	0.114
Gaindha	22	0.53	2.34	0.118
Loti Shail	19	0.47	2.42	0.114
Digha	15	0.45	1.52	0.138
Brridhan 40	25	0.45	4.20	0.260
Bashi Raj	16	0.42	2.22	0.119

Variety Name	Sample Size	% of Area	Yld ton/hac	SE of Mean
Chinigura	30	0.41	2.27	0.134
Khillai	14	0.41	2.64	0.165
Fulkoroi	17	0.37	2.35	0.137
BR-14/Gazi	17	0.31	3.84	0.276
Brridhan 34	17	0.25	2.73	0.138
Other*	370	8.79	2.60	0.049
Total	3650	100.00	3.19	0.018

*Other Variety Grown: Dopa, Brridhan 33, Bagraz, Furabati, Brridhan 31, Furabi Shail, Sileti Iri, Badiuzzaman, BR-2/Mala IRRI, Kala Manik, Chini Atob, Tilkapur, Bhasa Manik, Rosmala, BR-23/Disharee, Parijat, Brridhan 39, Sada Anaima, Dudsar, Dol Kachua, Raj Voguc, MT, Bashmati, Rahmat, Manik Digha, Anam, BR-12, BR-10, Anamika, Jamros, Moyna Shail, Hasful, BR-26/Shraboni, Lal Dhan, Haringha Diga, Komak Kamini, Harhari, Mangiri, Khilnoail, Gol Irri, Hasem, Mollahdiga, BR-19, BR-1/Chandina/Chaina, Deshi Boro, Sate Boal, Borsalee, Bajal, Enda, Bashiraj, Modhu Shail, Ekor Chaoul, BR-50, Poymol, Boro Baish, Amshail, Paitja, BR-54, Chan Moni, Musuri, BR-3/Biplob, BR-3/Biplob, IR-8, Joya (Indian), Aloke, Lal Digha, Billalaha, Sona Digha, Ratna (Indian), Jasoa, Gabura, Koijuree, Mota Dhan, Sonalee, Gurun, Kolom Debi/Deshi Kolom, Shapahar, Asmon Silkee/Agomon Silkee, Loha Dang, Jhaula, Bharoti Paijam, Dulai, BR-25, Savar, Nuniya, Naldigha, Jamir, Brridhan 38, Phankhiraj, Mugi, Lalkhora, Champali, Kiran, Billun, Abdul Ali, Nilkomar, Lalmoni, Khasa sugandi, Kamal Vog, Peshaba, Babui, Chamara

Table 2.3: Area and Yield of Popular Variety of Dhaka Region in Boro Season

Variety Name	Sample Size	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	1805	55.66	6.07	0.030
Brridhan 28	963	18.14	5.00	0.038
BR-14/Gazi	289	5.94	5.16	0.060
Paizam	203	3.87	4.22	0.082
BR-26/Shraboni	115	2.55	4.68	0.077
BR-3/Biplob	130	2.32	4.88	0.115
BR-1/Chandina/Chaina	76	1.31	4.35	0.164
IR-8	61	1.11	5.69	0.159
Hira (Hybrid)	55	0.97	8.10	0.165
Iriton	49	0.75	5.54	0.164
Deshi Boro	20	0.69	2.76	0.115
Godha IRRI	25	0.66	5.01	0.236
BR-16/Shahi Balam	40	0.63	5.76	0.197
BR-19	22	0.51	5.54	0.124
Jagoron (Hybrid)	17	0.41	7.05	0.411
Purbachi	27	0.39	4.22	0.167
Aftab	15	0.33	8.05	0.161
Bina-6	14	0.28	6.40	0.355
Paijar	19	0.28	2.30	0.249
Taipe	14	0.20	5.10	0.241
Narikel Badi	15	0.16	3.36	0.449
Other*	138	2.85	4.09	0.151
Total	4112	100.00	5.47	0.023

*Other Variety Grown: BR-2/Mala IRRI, Loti Shail, Lakkhi Bilas, Sonarbangla, Anamika, BR-11/Mukta, Topa Boro, Jagla, Brridhan 36, Lakhai, Sonalee, Porbati, BR-8/Asha, Swarna (Indian), Ratha, Aush-Amon Misro, BR-12, Maitta Gorol, Kali Zira, Binni/Kashia Binni, Kaika, Hazishail, Bashmati, Shahajalal, Comilla-RRI, Bina-5, Saiful, Gol Irri, Haitta, Hasmukha, BR-22/Kiron, Hizlee digha, Brridhan 32, Zabra, BR-9, BR-68, Mota Dhan, Jadu, Gochchha, Brridhan 30, Sarkaree, Mongal, Kolbiz, Lal Dhan, Brridhan 33, BR-50, BR-1/Beri, Saital, Rice R, Choto Irii, Brridhan 38, Bagraz, Khillai, Barud, Khasa, Munsi Irri, BR-24, Hajak, Neyamat

Table 2.4: Area and Yield of Popular Variety of Dhaka Region in Aus Season

Variety Name	Sample size	% of Area	Yld ton/hac	SE of Mean
BR-3/Biplob	57	14.33	2.72	0.126
BR-26/Shraboni	17	4.83	3.24	0.257
BR-2/Mala IRRI	40	8.97	2.81	0.137
Porangi	26	6.92	1.58	0.085
Brridhan 28	28	5.00	3.69	0.307
Paizam	31	7.24	2.53	0.126
Aush-Amon Misro	21	3.85	1.83	0.094
Kala Manik	23	4.69	1.55	0.093
Binni/Kashia Binni	19	8.05	2.71	0.087
Barchamuri	17	5.36	1.70	0.127
Paijar	32	8.88	2.46	0.122
Hajak	29	11.99	2.88	0.134
Other*	48	9.88	2.99	0.251
Total	388	100.00	2.56	0.058

*Other Variety Grown: BR-14/Gazi, BR-1/Chandina/Chaina, Brridhan 29, BR-21, Purbachi, BR-16/Shahi Balam, BR-11/Mukta, Manik Digha, Agla Shail, Balam, Maloti, Porbati, BR-25, BR-27, Harhari, Mohislam, Asakumra, Godha IRRI, Kakani Bati, Neyamar, Ussa IRRI

Table 2.5: Area and Yield of Popular Variety of Sylhet Region in Aman Season

Variety Name	Sample Size	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	724	27.30	4.11	0.034
BR-22/Kiron	453	13.16	3.60	0.046
Brridhan 32	310	7.74	3.86	0.067
Paizam	210	4.60	3.45	0.069
Khama	105	2.43	1.71	0.059
Bajal	55	1.85	2.08	0.115
Moyna Shail	70	1.81	1.81	0.097
Brridhan 30	73	1.65	4.23	0.095
Nazir Shail	60	1.56	2.49	0.108
Sarna	79	1.52	3.80	0.091
Birui	97	1.41	2.20	0.084
Brridhan 29	40	1.39	4.05	0.196
Gaindha	71	1.30	2.37	0.075
Brridhan 28	44	1.05	4.49	0.111
Kalai Aman	22	0.98	2.64	0.138
Zari Shail	31	0.97	2.48	0.151
BR-23/Disharee	33	0.96	3.82	0.124
Porchum	43	0.92	1.82	0.096
BR-10	49	0.91	3.94	0.138
Kali Zira	65	0.88	2.17	0.099

Variety Name	Sample Size	% of Area	Yld ton/hac	SE of Mean
Lal Balam	16	0.86	3.28	0.044
Brridhan 41	38	0.83	4.44	0.153
Latma	23	0.82	1.74	0.054
Boron Dhan	28	0.78	2.07	0.184
Brridhan 39	41	0.72	4.02	0.189
Goria	26	0.71	2.51	0.072
Parichak	17	0.68	2.10	0.116
Brridhan 31	28	0.63	4.33	0.199
Mura Vazal	19	0.62	1.67	0.244
Tilbazal	30	0.61	2.09	0.092
Brridhan 40	32	0.61	4.64	0.142
Raja Shail	23	0.60	1.49	0.141
BR-14/Gazi	22	0.59	3.85	0.246
Lalmoni	15	0.56	2.32	0.198
Gorfa	18	0.51	1.07	0.023
Moirol	34	0.50	1.67	0.098
Balam	35	0.49	2.59	0.112
Howai	20	0.42	2.65	0.181
Lil Khama	21	0.41	2.02	0.062
Hasem	14	0.39	3.04	0.105
Chan Moni	16	0.38	3.18	0.110
Anam	19	0.37	2.14	0.156
Kartik Shail	22	0.35	1.79	0.122
Joyna	19	0.35	1.45	0.105
Brridhan 34	14	0.33	3.72	0.103
Takpail	24	0.28	1.17	0.069
Hirbal	23	0.25	1.15	0.040
Gigaj	16	0.23	2.76	0.198
Gabura	16	0.22	1.95	0.084
Dali Khama	14	0.20	2.04	0.038
Boyra	20	0.19	1.11	0.038
Other*	378	10.13	2.57	0.058
Total	3715	100.00	3.23	0.022

*Other Variety Grown: Binni/Kashia Binni, Lalmota, Jali Aman/Baran/Chamara, Agunail, Fulkori, Parijat, Rahman, Baghdar, Lukce, Chapillya, Loti Shail, Shiyali Boran, Piprarladh, BR-3/Biplob, Pan Kech, Sada Mota, Bona Aman, BR-19, BR-1/Chandina/Chaina, Aynashail, Sonalee, Brridhan 33, IR-8, Indor Shail, Chinigura, Kutimoni, Sammahari, Anamika, Khasha, Niha, Dudsar, Gowrishail, Lakhi, Ailaguta, IRR-20, Achhmuita, Hizlee digha, Porangi, Dhairol/Fairol, Jagla, Shail, Maloti, BRRI Shail, Companyshail, Mogh Balam, Macrashail, Nidhan, Aloke, Lakkhee Digha, IR-50, Tulsimala, Bina-6, Jadu, Raj Vogue, Lakkhi Bilas, Sonarbangla, Kala Shail, Pilpilais, Kali Buro, Kalamakhabi, Baish Moni, BR-5, BR-16/ Shahi Balam, Joya (Indian), BR-26/Shraboni, Chikon, Chengree, Sonargira, Aush-Amon Misro, Sona Digha, Taipe, Alois, Sarsaria, Katari Bhog, BR-68, Dingamoni, Monohor, Borsalee, Marich Shail, Dhalee Chikon Dhan, Halgreemi, Beto, Kala Bakri, Loha Dang, Begunbichi, Lal Pajam, Kajol Lota, Zira Shail, Brridhan 36, Hira (Hybrid), Hasful, BR-25, Malsiraj, Patishail, Kazla, Choto Irii, Kawra, Brridhan 38, Moslam, Batershar, Merry, Khurkuti, Gutak, Bahurimota, Kamal Vog, Charbalashsar, Kaittal, Pani Khuri, Sugandi, Shuiyajara, Solkuri, Dotala, Manberi

Table 2.6: Area and Yield of Popular Variety of Sylhet Region in Boro Season

Variety Name	Sample Size	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	1714	53.32	5.66	0.030
Brridhan 28	864	15.64	4.94	0.041
BR-16/Shahi Balam	346	6.85	5.30	0.061
BR-3/Biplob	220	5.09	6.18	0.075
BR-14/Gazi	121	3.24	4.89	0.097
BR-19	83	2.44	4.37	0.118
Joya (Indian)	57	0.91	5.25	0.149
Topa Boro	30	0.79	3.40	0.124
Iriton	51	0.72	4.92	0.147
Hira (Hybrid)	39	0.68	8.43	0.152
Bhajan (Indian)	40	0.60	6.10	0.156
Khaiya Boro	37	0.60	2.52	0.093
IR-8	24	0.60	5.94	0.294
BR-68	25	0.58	4.80	0.237
Taipe	24	0.55	2.91	0.133
Aynashail	22	0.49	3.40	0.141
IR-50	33	0.46	3.97	0.200
BR-1/Chandina/Chaina	24	0.36	4.07	0.213
Purbachi	14	0.31	4.17	0.389
Bina-6	25	0.31	5.71	0.329
Kali Buro	15	0.25	1.96	0.096
BR-20	16	0.24	4.55	0.147
BR-11/Mukta	18	0.23	5.27	0.378
BR-26/Shraboni	13	0.15	5.89	0.378
Anam	14	0.12	3.68	0.219
Other*	248	4.47	3.93	0.105
Total	4117	100.00	5.26	0.022

*Other Variety Grown: BR-26/Shraboni, BR-8/Asha, Mongal, Anamika, Bittla, Porbati, Boron Dhan, Charbalashsar, BR-50, Shahajalal, Gaidha, BR-2/Mala IRRI, Borsalce, Paizam, IRRI-20, Achhmuitta, Shail, BR-10, Jagoron (Hybrid), Brridhan 36, Ratul, Dotala, Haitta, Khama, Jagla, Ratna (Indian), Benama, Gochchha, Binni/Kashia Binni, Asamee, Sonarbangla, BR-1/Beri, Tangail, Paddy-601, BR-18, Agunail, Aloke, BR-9, Deshi Boro, Agla Shail, Balam, Mota Miniket, BRRRI Shail, Paddy-532, Janadha, Dari Shail, Porchum, BR-22/Kiron, Chikon, Chengrce, Brridhan 32, Pan Pata, Pan Kech, Matir Chak, Ashinee, Aloei, Tulsimala, Birui, Mati Chal, Jadu, Folana, BR-4, Brridhan 30, Marich Shail, 68 no. Dhan, Kali Zira, Begunbichi, Loti Shail, Kolbiz, Kutimoni, IEET, Surma IRRI, Boro Baish, BR-27, Aftab, Kalimatiya, Batershar, BR-63, Namsaya, Taki, BAU-68, Lakhi, Bina-5, Gopalveri, Sufala, BR-17, A.L.P-50, IR-10

Table: 2.7: Area and Yield of Popular Variety of Sylhet Region in Aus Season

Variety Name	Sample Size	% of Area	Yld ton/hac	SE of Mean
Brridhan 28	215	17.08	3.70	0.066
BR-1/Chandina/Chaina	187	14.92	3.34	0.066
IR-50	138	9.79	3.00	0.064
BR-3/Biplob	137	9.10	3.70	0.124
Muralee	71	6.49	2.05	0.091
BR-20	104	5.99	3.14	0.076
BR-50	38	3.43	3.13	0.144
BR-2/Mala IRRI	37	3.06	2.83	0.152
BR-14/Gazi	55	2.75	3.95	0.177
Daw-IRRI	27	1.99	2.53	0.178
Paddy-532	19	1.90	2.97	0.153
BR-26/Shraboni	30	1.75	3.85	0.169
Brridhan 32	17	1.74	4.08	0.193
BR-27	35	1.57	3.70	0.149
BR-19	25	1.50	3.58	0.260
Chengree	18	1.37	1.21	0.096
BR-1/Beri	16	1.26	3.16	0.141
Kachabadam	17	1.24	1.31	0.107
Paizam	15	1.23	3.23	0.248
Haitta	11	1.04	1.82	0.216
BR-21	19	0.99	3.76	0.343
Chingri	11	0.78	1.53	0.110
BR-9	17	0.74	3.69	0.232
Brridhan 29	12	0.59	3.66	0.281
Other*	138	7.71	2.84	0.104
Total	1409	100.00	3.21	0.031

*Other Variety Grown: Aoyjon, BR-16/Shahi Balam, Purbachi, BR-11/Mukta, Paddy-601, IR-10, Vushi Hara, Joya (Indian), Aush-Amon Misro, BR-10, Dumai, Pawsatu, Pajjar, BR-8/Asha, IRRI-20, Khama, Katoktara, Porangi, Gorfa, Iriton, Merry, Moirrol, BR-22/Kiron, Dhairrol/Fairol, Porbati, Brridhan 33, Dari Shail, Aloke, Gaindha, Lukee, Matir Chak, Birui, Bina-6, 76 no. Dhan, Raja Shail, Gochchha, Brridhan 30, Brridhan 31, Kali Zira, Maloti, Mongal, Loti Shail, Brridhan 40, BR-25, Brridhan 39, Araila, Anamika, Gaba, Zari Shail, Companysail, Banglai. Howai, Ingra, BR-18, Charbalashsar, Bikram

Table 2.8: Area and Yield of Popular Variety of Khulna Region in Aman Season

Variety Name	Sample Size	% of Area	Yld ton/hac	SE of Mean
Swarna (Indian)	1168	25.42	3.79	0.031
BR-11/Mukta	1083	22.77	3.77	0.030
Brridhan 30	334	8.56	3.82	0.040
BR-10	308	7.10	3.82	0.049
BR-23/Disharee	211	5.95	3.62	0.059
Sada Mota	105	4.45	2.04	0.074
Zabra	76	1.90	1.85	0.075
Jamaibabu	53	1.46	2.07	0.067
Lalmota	55	1.45	2.46	0.066
Balam	90	1.32	2.02	0.090
Brridhan 41	69	1.15	4.06	0.100
Brridhan 33	71	1.06	3.90	0.146
BR-22/Kiron	61	0.83	3.82	0.123
Brridhan 39	55	0.80	3.65	0.149
Gochchha	35	0.79	2.27	0.161
Shishumoti	48	0.61	1.82	0.098
Jota Aus	17	0.55	3.02	0.116
Dopa	35	0.52	2.17	0.147
Nonakhiricha	19	0.52	2.06	0.195
Bhajan (Indian)	25	0.51	3.08	0.152
Chik Shail	19	0.49	2.01	0.137
Monohor	21	0.46	2.21	0.166
Mondhashor	16	0.43	2.44	0.120
Maloti	12	0.36	2.45	0.129
Moynamoti	33	0.33	2.63	0.101
Paizam	25	0.33	3.15	0.194
Ratna (Indian)	26	0.30	3.28	0.220
Murkeemala	16	0.29	1.97	0.116
Shail Kaila	14	0.27	2.23	0.154
Mota Miniket	11	0.26	3.70	0.523
Bastan	12	0.26	1.96	0.127
Brridhan 32	20	0.26	3.52	0.215
Jalkumari	12	0.26	2.90	0.088
IEET	19	0.25	3.85	0.170
Brridhan 40	14	0.25	3.99	0.192
G,S-1	22	0.25	2.57	0.207
Kaittal	10	0.25	1.63	0.253
Brridhan 28	22	0.24	3.87	0.241

Variety Name	Sample Size	% of Area	Yld ton/hac	SE of Mean
Shil Komol	11	0.24	2.11	0.171
Raja Shail	16	0.24	1.52	0.067
Digha	13	0.23	1.73	0.169
Bashmati	10	0.23	3.04	0.046
Marich Shail	10	0.22	2.79	0.108
Kachra	13	0.20	2.08	0.090
BR-26/Shraboni	12	0.19	2.63	0.288
Joyna	13	0.15	2.49	0.102
Piprarladh	11	0.13	1.84	0.213
Raj Vogue	27	0.13	1.81	0.105
Other*	319	4.76	2.59	0.064
Total	4697	100.00	3.42	0.017

*Other Variety Grown: IR-50, Dudsar, Birkona/Pala, Nayanmoni, Khirkunni, Khaia Motor, Sonalee, Hira (Hybrid), Jalkaydha, Kargil, Gotbas, Shail, Bashful, Purbachi, Monon, Zari Shail, Bina-4, Jumur, Balenga, Joya (Indian), Chengree, Taibe, Kocho, Brridhan 31, Bota Dhan, Kalarthor, Bagtulshi, Eyeret, BR-14/Gazi, Zoal, Depur, Chapillya, Jhaula, CM, Chini Atob, Kumirgar, Lal Balam, Gutak, Hugli, Benapol, Dakali, Vaital, Brridhan 29, Gorfa, Goura Kazal, Sona Digha, Nazir Shail, Mota Dhan, Folana, Baku Dhan, Kolom Debi/Deshi Kolom, Kali Zira, Nagpechi, Beto, BasHiraj, Chinigura, Lal Paijam, Goyramuri, Kajol Lota, Hasi Kalmi, Patishail, Tepa Aman, Jali Aus, Tarab Ali, Kaladhama, Rajamoral, Kumra Garuai, Masrangha, Naspoti, Khunchi, Gothara, Gada Banga, Vole Selut, Eide, BR-2/Mala IRRI, Dhairol/Fairol, Fulkori, Rayenda, Kala Digha, Kala Manik, Manik Digha, Anam, Gorla, Katari Bhog, Naroi, Tetulla, Kuri Agrahonce, Gurun, BR-4, Amanchalla, Mariom, Moynatiya, Chamara, Malbuk, Lal Dhan, Kutimoni, Royati, Bona Aman, Sonarbangla, Shabana, Kala Shail, Zira Shail, Brridhan 36, BR-1/Beri, Shempura Aman, Harhari, Sundarlata, Bashi Raj, Khilnoail, Urikabra, Daud Bajal, Haldabata, Sattar Vogl, Chan Moni, Kalamakhabi, Moirai, Patlai, Patnai, Munsiri, Nagra, Kaligaj, Dhan 79, Hida, Basa bigi dhan, Mukh Kalali, Royakhali, Baspar

Table 2.9: Area and Yield of Popular Variety of Khulna Region in Boro Season

Variety Name	Sample Size	% of Area	Yld ton/hac	SE of Mean
Brridhan 28	1118	36.13	5.34	0.030
Ratna (Indian)	541	18.59	5.15	0.043
Brridhan 29	359	9.25	6.52	0.075
Mota Miniket	178	6.96	5.22	0.086
Hira (Hybrid)	166	4.48	7.33	0.120
G,S-1	122	3.78	3.03	0.556
Nayanmoni	118	2.74	5.14	0.089
Kajol Lota	74	2.00	3.73	0.273
IEET	69	1.67	5.73	0.135
Jamaibabu	37	1.55	3.54	0.368
BR-26/Shraboni	47	1.17	5.17	0.169
Brridhan 36	32	0.93	4.99	0.226
Bhajan (Indian)	29	0.89	3.96	0.271
Kalingha	37	0.73	4.80	0.141
Gotbas	26	0.73	3.14	-
Brridhan 33	28	0.63	5.28	0.204
Moynamoti	21	0.62	4.05	0.094

Variety Name	Sample Size	% of Area	Yld ton/hac	SE of Mean
Kargil	19	0.53	3.56	-
Sileti Iri	24	0.49	3.35	0.307
Joya (Indian)	23	0.48	5.04	0.274
Brridhan 40	23	0.46	5.84	0.277
Shabana	15	0.43	3.57	0.309
IR-50	29	0.41	5.12	0.225
Eyeret	22	0.40	5.69	0.168
Purbachi	23	0.40	4.83	0.171
Jagoron (Hybrid)	16	0.37	6.97	0.425
Swarna (Indian)	14	0.29	5.29	0.544
Other*	126	2.89	5.28	0.218
Total	3336	100.00	5.48	0.025

*Other Variety Grown: Iriton, BR-3/Biplob, Hidir, CM, BR-1/Chandina/Chaina, Sonarbangla, Goura Kazal, Bina-6, BR-50, Gothara, Sufala, Akther, BR-14/Gazi, Boro Baish, Aftab, CS-25, BR-16/Shahi Balam, Kolom Debi/Deshi Kolom, Dumai, BRRI Shail, Gutak, Aloron, Bulet, Katoktara, BR-2/Mala IRR1, Lakkhee Digha, Sonargira, Jasoa, Deshi Boro, Gorla, Jashorce, Sada Mota, Jadu, Gigaj, Gochchha, Brridhan 30, BR-10, Bharosa, Kalom, Lalmota, Brridhan 41, Brridhan 39, Birkona/Pala, Rice R, Asakumra, Tarab Ali, Mohish Kandi, Aynashail, Kalarthor, Dular, Kali Buro, Guda, Piprarladh, Bina-4, Raichs, Surjamani

Table 2.10: Area and Yield of Popular Variety of Khulna Region in Aus Season

Variety Name	Sample Size	% of Area	Yld ton/hac	SE of Mean
Ratna (Indian)	124	10.61	3.21	0.079
Brridhan 28	116	9.99	3.93	0.093
Kali Aus	36	8.00	1.70	0.122
Porangi	49	7.91	1.41	0.060
IR-50	55	6.74	3.68	0.124
BR-2/Mala IRR1	24	5.10	4.91	0.298
G,S-1	45	4.41	2.62	0.217
Nayanmoni	44	3.34	3.61	0.161
Hasi Kalmi	23	3.04	1.66	0.120
Royati	16	2.53	1.94	0.162
Bhajan (Indian)	16	2.46	4.03	0.183
BR-26/Shraboni	28	2.44	3.73	0.250
Kala Bakri	25	2.36	1.76	0.127
Purbachi	22	2.05	3.63	0.177
Ratul	17	1.93	2.24	0.160
Brridhan 33	19	1.87	3.91	0.241
Kajol Lota	24	1.84	2.89	0.080
BR-1/Chandina/Chaina	18	1.70	3.58	0.175
Jota Aus	14	1.56	2.83	0.076
Sarna	15	1.41	2.67	0.194

Variety Name	Sample Size	% of Area	Yld ton/hac	SE of Mean
Joya (Indian)	13	1.04	4.55	0.163
Kutimoni	15	0.96	1.77	0.166
Other*	182	16.69	2.77	0.105
Total	940	100.00	3.07	0.044

*Other Variety Grown: Naroi, Mota Miniket, Jamaibabu, Kargil, BR-14/Gazi, IEET, Aush-Amon Misro, Brridhan 29, Goura Kazal, Moynamoti, Gotbas, Haitta, Bagtulshi, Hizlec digha, Kala Manik, Boro Baish, Hira (Hybrid), Dudraj, Jagla, Brridhan 40, Sribalam, Shalik, Katoktara, Pan Pata, CM, Gumbir, Raicha, Choto Mallik, Sada Aus, Chikon, Fulkori, Lal Digha, Lakkhee Lota, Sona Digha, Fulbadam, Bina-6, Hidir, Gorla, Digha, Shail Kaila, Brridhan 30, Bharosa, Bota Dhan, Asamee, Moyna Shail, Kumari, Sonarbangla, Jagoron (Hybrid), Shabana, BRRI Shail, Kalomegi, Aftab, Phankhiraj, Jali Aus, Rajamoral, Buroolambi, Haldabata, BR-18, Surjamani, Eyeret

Table 2.11: Area and Yield of Popular Variety of Barisal Region in Aman Season

Variety Name	Sample Size	% of Area	Yld ton/hac	SE of Mean
Sada Mota	492	11.41	2.37	0.025
BR-11/Mukta	760	11.40	3.72	0.037
Mota Dhan	216	7.00	2.43	0.039
Kala Shail	280	5.64	2.28	0.032
BR-22/Kiron	191	3.38	3.10	0.055
Sarna	152	3.32	3.45	0.089
Mota Mota	177	3.21	2.38	0.041
Brridhan 32	219	3.16	3.60	0.063
Lalmota	124	2.95	2.28	0.062
Mowlata	221	2.86	2.55	0.030
Chikon	212	2.83	2.26	0.039
Dudsar	207	2.83	2.42	0.041
Anam	42	2.08	2.37	0.064
Joyna	78	1.89	2.16	0.069
Kamlamota	55	1.64	2.53	0.071
Paizam	165	1.57	3.33	0.065
Brridhan 40	104	1.49	3.93	0.095
BR-23/Disharee	105	1.42	3.45	0.092
Raja Shail	100	1.31	2.14	0.052
Vushi Hara	70	1.25	2.47	0.038
Maloti	72	1.19	2.18	0.062
Brridhan 41	78	1.18	4.06	0.108
Shishumoti	61	1.03	1.75	0.094
Chapillya	51	0.99	2.31	0.066
Kuri Agrahonee	74	0.96	2.39	0.055
Nakhuchi	22	0.84	2.51	0.120
Dingamoni	67	0.81	2.17	0.073
Sakkhor Khora	83	0.65	2.27	0.066
Gabura	42	0.64	2.24	0.116
Brridhan 30	50	0.62	4.03	0.122
Brridhan 33	58	0.55	3.98	0.134

Variety Name	Sample Size	% of Area	Yld ton/hac	SE of Mean
Kartik Shail	43	0.54	2.07	0.095
Dudmanor	35	0.54	2.35	0.100
Kutimoni	35	0.52	2.36	0.074
Bawn Khair	20	0.50	2.38	0.066
Brridhan 39	42	0.47	3.76	0.138
Hizlee digha	18	0.47	1.46	0.165
Kali Zira	85	0.46	2.21	0.062
Kajol Lota	35	0.42	2.54	0.080
Lal Digha	36	0.41	2.07	0.075
Lotar Mota	17	0.40	2.02	0.111
Sail Grimi	50	0.39	1.86	0.046
Brridhan 31	45	0.37	4.37	0.131
Lakkhee Digha	12	0.34	2.03	0.191
Kachamota	21	0.34	2.79	0.043
Kelendar Mota	12	0.32	2.72	0.111
Bhajan (Indian)	26	0.31	3.78	0.160
Mondhashor	21	0.31	2.20	0.153
Chaolamagi	21	0.27	2.49	0.103
Gorfa	20	0.25	1.56	0.130
Bashful	18	0.24	2.70	0.120
Shabana	14	0.23	2.28	0.112
Boware	23	0.23	1.85	0.107
BR-12	14	0.22	3.33	0.242
Balam	20	0.19	1.68	0.107
Nazir Shail	16	0.19	2.10	0.148
Luturi	12	0.18	2.48	0.107
BR-2/Mala IRRI	13	0.14	2.99	0.226
Basmu Irri	16	0.14	2.29	0.087
Deshi digha	14	0.13	1.39	0.073
Khaia Motor	17	0.12	2.25	0.129
Other*	473	8.29	2.25	0.039
Total	5873	100.00	2.76	0.013

*Other Variety Grown: Taipe, Kalikora, Loha Dang, Girbi, Haitta, Digha, BR-10, Kaladhan, Zoal, Lakkhmi Kazal, Tapa Aman, Sileti Iri, Kumra Garuai, Chengai, Isagura, Brridhan 29, Kala Manik, Shail, BAU - 63, Jinga Sail, Hugli, Khuchimakhi, Khayer Manor, Sadagabura, BR-8/Asha, Zabra, Gigaj, Chik Shail, Nalcom, Barma, Kala Digha, Moynamoti, Pilpila, Chaprash, Sadajabra, Pahari Jata, BR-3/Biplob, Brridhan 28, Chengree, Dol Kachua, Bashiraj, Chini Atob, BR-5, BR-14/Gazi, Goura Kazal, Bajal, Modhu Shail, Kalokora, Kanamadhari, Piprarladh, Hasidhan, Muralee, Pan Kech, BR-1/Chandina/Chaina, Katari Bhog, BR-4, Khaiya Boro, Chinigura, Bosidhan, Chalaki, Birkona/Pala, Putisail, Lohachura, Rahmat, Bahurimota, Naspati, Sagar Fona, Bina-4, Agne Moujan, Rabot, Khama, BR-15/Mohince, Joya (Indian), Lukce, Tal Zota, Dasbiruine, Billalaha, Matir Chak, BR-9, Fulbadam, Azal Digha, Lohatung, Tetulla, Pakzar, Manik Muri, Gochchha, Dopa, Indor Shail, Beto, Shawni, Balaka, Enda, Agur, Jhaua, Chamara, Aoyjon, Malbuk, Kolbiz, Royati, GB-4, Sonarbangla, IEET, Oliraj, Kaktara, Polajol, Aftab, Kazla, Chandra shail, Naldigha, Kalimatiya, Bashmati, Brridhan 34, Lahagaocha, Khilnoail, Chingri, Bindha Kustari, Kali Buro, Abdul Hai, Lawla, Charbalashsar, Sugandi, Ranger Gura, Sahar Moni, Debmoni, Surjamani, Ranajit, Vadra, Grimi, Gorabai, Shailamotor, GRC-866, Amidikhan, Shirbol, Callbridge, Nolz

Table 2.12: Area and Yield of Popular Variety of Barisal Region in Boro Season

Variety Name	Sample Size	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	942	41.03	6.83	0.048
Bhajan (Indian)	554	26.45	6.10	0.068
Brridhan 28	251	6.39	5.60	0.089
BR-8/Asha	48	2.53	6.44	0.246
Belombori	51	2.01	-	-
Abdul Hai	24	2.00	4.13	0.076
Hira (Hybrid)	41	1.83	7.53	0.297
BR-14/Gazi	68	1.78	5.55	0.132
IR-8	68	1.65	6.94	0.159
Iriton	40	1.33	5.50	0.167
Kajol Lota	21	0.99	-	-
BR-3/Biplob	22	0.77	6.01	0.306
Taipe	23	0.47	5.32	0.232
BR-2/Mala IRRI	18	0.42	3.78	0.271
BR-16/Shahi Balam	16	0.29	6.02	0.205
Kali Buro	17	0.26	3.16	0.258
Other*	209	9.78	4.14	0.177
Total	2413	100.00	6.22	0.036

*Other Variety Grown: Alope, Ratna (Indian), BR-12, 76 no. Dhan, Jagoron (Hybrid), BR-1/Chandina/Chaina, Sakchor Khora, BR-11/Mukta, BR-26/Shraboni, Bina-6, Deshi Boro, Chaiti Dhan, Brridhan 40, Kalikora, Khaia Motor, Brridhan 33, Aftab, Sileti Iri, Kelendar Mota, Porangi, Paizam, Brridhan 32, Pan Pata, Joyna, Boilian, Billalaha, Matir Chak, Aush-Amon Misro, Jagla, Shail, Dudsar, Nakhuchi, Sada Mota, Mota Mota, Mota Miniket, Atom, Kuishwari, Maloti, Beto, Topa Boro, Kutimoni, Lalmota, Jamaibabu, Kala Shail, Brridhan 36, Bowalil, Choto Irii, Shahajalal, Mondhashor, BR-18, Chaprash, Basmu Irri, Isagura, Palabir, Sadajabra

Table 2.13: Area and Yield of Popular Variety of Barisal Region in Aus Season

Variety Name	Sample Size	% of Area	Yld ton/hac	SE of Mean
Haitta	506	22.41	2.05	0.024
BR-2/Mala IRRI	285	14.46	3.08	0.049
Kali Buro	144	8.45	2.12	0.037
BR-27	138	5.16	3.67	0.077
Porangi	74	4.16	1.54	0.054
Abdul Hai	61	3.59	3.25	0.041
BR-3/Biplob	49	3.29	4.48	0.141
BAU – 63	36	2.68	3.34	0.097
Bhajan (Indian)	50	2.19	3.78	0.123
Guda	38	2.18	2.97	0.098
Sileti Iri	40	2.16	3.28	0.078
Mala Shail	38	1.93	4.54	0.141

Variety Name	Sample Size	% of Area	Yld ton/hac	SE of Mean
Hasi Kalmi	25	1.60	1.86	0.110
Sulai	27	1.58	1.94	0.064
Mowmor	14	1.56	1.65	0.145
BR-1/Chandina/Chaina	30	1.42	2.68	0.100
Halui	35	1.32	2.52	0.161
BR-12	31	1.20	3.31	0.155
Manik Muri	29	1.14	1.85	0.069
BR-14/Gazi	44	1.10	4.01	0.118
Brridhan 28	39	1.07	3.87	0.151
Aush-Amon Misro	21	1.03	2.92	0.126
Taipe	29	0.98	2.93	0.092
BR-26/Shraboni	27	0.97	3.77	0.190
Bona Gambir	19	0.72	1.19	0.174
Brridhan 29	20	0.71	4.27	0.185
Kelendar Mota	19	0.71	2.06	0.090
Matir Chak	19	0.62	2.03	0.118
Naroi	17	0.49	1.77	0.131
Harin Raja	10	0.48	2.15	0.076
Vhenamuri	18	0.43	2.53	0.089
Sonalee	14	0.40	3.25	0.310
Munsur	14	0.39	2.42	0.111
Chengree	12	0.35	1.91	0.085
Botal Irri	10	0.29	3.48	0.176
Mohislam	16	0.25	2.26	0.088
BR-20	12	0.20	3.24	0.180
Other*	159	6.34	2.64	0.085
Total	2169	100	2.7193788	0.0229969

*Other Variety Grown: Jalkumari, Paizam, Lakkhee Lota, BR-21, Karchamuri, Topa Boro, Kabir Manik, Billalaha, Aoyjon, Kala Shail, Hira (Hybrid), Barchamuri, Kalimatiya, Kanchon Mogi, Tufan Irri, BR-9, 76 no. Dhan, Merry, Mondhashor, BR-18, Katoktara, BR-11/Mukta, Brridhan 32, Iriton, Deshi Boro, Baro Mukha, Raja Shail, Brridhan 33, Kalikora, Tipushail, Shiyali Boran, Patlai, Bahai, BR-8/Asha, Tilbazal, Chikon, Zabra, Khaia Motor, BR-19, IR-50, Aloï, Dudsar, Baku Dhan, Monohor, Balam, Kali Zira, Muktahar, Shawni, Begunbichi, Lal Challisha/Hircem, Shornpari, Loti Shail, Monon, Lal Dhan, Moynamoti, Chini Atob, Belombori, Saital, Shempura Aman, Kazla, Gayal, Batershar, Kamlamota, Boware Maniktara, Benamuri, Pathak, Moi Dhan

Table 2.14: Area and Yield of Popular Variety of Chittagong Region in Aman Season

Variety Name	Sample Size	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	1169	28.10	4.14	0.031
Paizam	584	11.38	3.47	0.031
BR-22/Kiron	344	6.87	3.79	0.062
BR-10	278	5.82	4.22	0.062
Brridhan 30	288	4.95	4.07	0.053
Brridhan 32	239	4.32	3.99	0.084
Kala Shail	134	3.64	2.01	0.076
Brridhan 41	114	2.22	4.19	0.090
Brridhan 40	125	2.21	3.88	0.094
Brridhan 39	97	2.07	3.90	0.113
BR-23/Disharee	105	2.02	3.23	0.114
BR-3/Biplob	62	1.62	4.31	0.129
Sharna Basuri	42	1.23	2.76	0.219
Sarna	60	1.14	4.24	0.110
Binni/Kashia Binni	197	1.10	2.45	0.057
Brridhan 33	44	1.05	3.88	0.165
BR-16/Shahi Balam	41	0.93	4.90	0.167
Chikon	82	0.91	2.64	0.100
Gigaj	56	0.78	1.99	0.099
BR-25	26	0.78	4.69	0.129
Ashail	26	0.78	3.01	0.210
BR-14/Gazi	25	0.71	5.05	0.220
Pajjar	22	0.63	2.70	0.247
Beto	25	0.62	1.95	0.177
Loti Shail	17	0.61	2.30	0.185
Barma	32	0.60	3.08	0.060
Brridhan 28	22	0.57	4.11	0.172
Balam	39	0.56	2.19	0.132
Agla Shail	22	0.54	3.16	0.156
Thega	22	0.54	-	-
Bajal	32	0.53	1.37	0.133
Brridhan 31	40	0.51	4.15	0.104
Motohari	21	0.49	2.56	0.099
1014 Dan	25	0.41	3.01	0.147
Kali Zira	70	0.40	2.08	0.084
Benama	16	0.39	2.61	0.244
Rahman	17	0.31	3.42	0.266
Pakzar	21	0.31	2.91	0.103

Variety Name	Sample Size	% of Area	Yld ton/hac	SE of Mean
Kantahari	17	0.30		
BR-27	15	0.27	4.18	0.038
Panza	15	0.27	2.98	0.181
Chapillya	13	0.25	2.17	0.248
BR-1/Chandina/Chaina	12	0.22	3.83	0.277
Nagpechi	15	0.20	2.15	0.230
Lal Dhan	16	0.19	2.70	0.271
Parba	17	0.16	2.86	0.121
Lalmota	12	0.13	2.82	0.260
Roychikon	14	0.13	2.95	0.120
Sada Mota	14	0.13	1.45	0.112
Kutimoni	13	0.12	2.41	0.127
Chinigura	18	0.11	2.22	0.093
Kabrock	14	0.10	2.17	0.604
Gobindha Vog	13	0.10	1.91	0.161
Other*	304	4.70	2.97	0.087
Total	5103	100.00	3.64	0.018

*Other Variety Grown: Sonalee, Maloti, Chakkal, Brridhan 29, Raja Shail, Gochchha, Rosmala, Kakani Bati, Mongal, BR-21, Nazir Shail, BR-2/ Mala IRRI, Lakkhmi Kazal, BR-9, Katari Bhog, Sakkhor Khora, BR-20, Tangail, Matpan, BR-15/Mohinee, BR-4, Piparladh, BR-5, BR-8/Asha, Joya (Indian), BR-26/Shraboni, Iriton, Tilkapur, Kalikora, Brridhan 38, Brridhan 34, Bhajan (Indian), Purbachi, Sonarbangla, Belombori, Chakulla, Rahmat, Theika, Hizlee digha, Monohor, Hira (Hybrid), Amshail, Bashmati, Brridhan 37, Sufala, Kanni, Kala Mona, 802 Dan, Hasmukha. IRRI-9, IR-8, Kartik Shail, Dasbiruine, Matir Chak, Shail, BR-12, Nakhuchi, Mota Dhan, Dopa, Zatura, Chhitano Aus, Halgreemi, Vaturee, Dhalgora, Raj Vogue, Chamara, Modhu Shail, Lal Paijam, BR-50, Sinnal, Rajkumar, Oliraj, Kalomegi, Birkona/Pala, Nariya Diga, Patishail, Kazla. Jamir, Nayaraz, Naikolzari, Chan Moni, Baraikka, Agunail, Munsiri Irri, Gelong, Samji, Tansama, Lembru, Shalkani, Andar Manik, BR-6, BR-17, 86 Dan, Mukh Kalali, Gol Irri, Bondha Bati, 1023 Dan, 1002 Dan, Badsha Vogh, Banaful

Table 2.15: Area and Yield of Popular Variety of Chittagong Region in Boro Season

Variety Name	Sample Size	% of Area	Yld ton/hac	SE of Mean
Brridhan 28	1007	31.73	4.65	0.034
Brridhan 29	656	18.92	5.47	0.052
BR-16/Shahi Balam	324	9.10	4.86	0.064
BR-11/Mukta	119	3.56	4.37	0.112
BR-14/Gazi	107	3.48	4.68	0.115
BR-3/Biplob	97	2.62	4.97	0.088
Benama	85	2.48	3.92	0.060
BR-12	75	2.18	4.10	0.113
Purbachi	75	2.10	3.95	0.141
Hira (Hybrid)	78	1.63	6.62	0.235
BR-1/Chandina/Chaina	75	1.59	3.84	0.140
Belombori	52	1.53	3.79	0.064
Gol Irri	28	1.32	4.70	0.136

Variety Name	Sample Size	% of Area	Yld ton/hac	SE of Mean
Joya (Indian)	35	1.12	4.11	0.133
Lal Dhan	43	1.11	3.98	0.127
Brridhan 33	46	1.08	4.51	0.117
Ashail	18	1.06	2.95	0.160
BR-8/Asha	27	0.97	4.59	0.203
BAU – 63	27	0.87	4.00	0.300
BR-10	24	0.86	4.34	0.116
Sonarbangla	31	0.77	4.59	0.236
Iriton	39	0.72	4.97	0.150
Jagoron (Hybrid)	25	0.68	6.02	0.312
Bina-6	25	0.60	3.73	0.540
IR-8	25	0.58	4.41	0.335
Brridhan 32	14	0.54	4.48	0.163
BR-15/Mohinee	16	0.49	3.12	0.323
Kanni	22	0.48	4.00	0.128
Paizam	15	0.43	4.20	0.220
Binni/Kashia Binni	51	0.42	3.17	0.142
Chikon	19	0.42	3.90	0.132
BR-26/Shraboni	15	0.29	4.66	0.240
Other*	205	4.30	4.09	0.095
Total	3500	100.00	4.72	0.023

*Other Variety Grown: BR-5, BR-9, Sonalce, China Atob, Brridhan 39, Tangail, 86 Dan, Sadasis, Taipe, Balam, BR-50, BR-6, BR-2/Mala IRRI, Beto, Kala Shail, Brridhan 36, Bashmati, BR-24, BR-21, Gorai Mastan, Aloke, Bhajan (Indian), Brridhan 30, Sinna, Lakhi, Gazzali, 802 Dan, Haitta, IR-50, Badhai Chiton, BR-4, Atom, Lalmota, Abdul Ali, Sufala, 1014 Dan, IRRI-20, BR-22/Kiron, BR-23/Disharce, Nun Chharatul, BR-19, Tulsimala, Fulbadam, Hidir, Raja Shail, Gigaj, Brridhan 31, Kolom Debi/Deshi Kolom, Deshi Gama, Bota Dhan, Bajal, Porbati, Loti Shail, Soinik, Brridhan 40, Kalomegi, BR-25, Brridhan 38, Buro Afaz, Dular, Bina-5, Bina-4, Painot, Barma, Mukh Kalali, Tomtom, Panza, Kala Mona, Pahari Jata, Kabrock, 208 Dan, Dan 202, Hiramon

Table 2.16: Area and Yield of Popular Variety of Chittagong Region in Aus Season

Variety Name	Sample Size	% of Area	Yld ton/hac	SE of Mean
Brridhan 28	186	11.58	4.05	0.087
Purbachi	86	7.19	3.51	0.095
Haitta	76	5.79	2.00	0.065
Daw-IRRI	34	5.40	3.79	0.171
BR-1/Chandina/Chaina	78	4.33	3.48	0.098
Gelong	49	4.23	1.68	0.095
BR-14/Gazi	68	3.94	4.16	0.127
BR-3/Biplob	56	3.84	4.22	0.140
BR-16/Shahi Balam	62	3.41	3.97	0.088
BR-2/Mala IRRI	49	3.01	3.07	0.138

BR-12	55	2.91	4.42	0.137
Ami	19	2.78	1.48	0.000
BR-26/Shraboni	40	2.30	3.57	0.122
BR-27	47	2.22	3.38	0.175
Kabrock	14	1.96	1.47	0.013
Hasi Kalmi	16	1.94	2.16	0.145
Batershar	21	1.91	2.16	0.103
BR-19	29	1.86	4.24	0.159
BR-11/Mukta	25	1.85	3.11	0.119
BR-20	27	1.65	3.21	0.135
Marich Shail	14	1.46	2.19	0.114
Boilian	21	1.45	1.66	0.092
Gurun	14	1.27	2.60	0.092
Bailam	17	1.25	2.22	0.152
BR-18	20	1.20	4.05	0.370
BR-8/Asha	24	1.08	4.34	0.154
Kala Mona	12	1.03	2.24	0.147
Binni/Kashia Binni	24	0.98	2.19	0.172
Chikon	15	0.94	3.06	0.132
Surjamani	10	0.92	1.50	0.112
Nitsupru	11	0.77	1.35	0.029
Sonalee	19	0.66	3.04	0.254
Ussa IRRI	10	0.65	5.03	0.059
Other*	197	12.24	2.50	0.085
Total	1445	100.00	3.20	0.035

*Other Variety Grown: BR-9, Sinnal, BR-21, BR-4, Lakhi, Kanni, Ranguai, Craning, IR-8, Demchi, Pathe, Paizam, BR-10, Balam, Gandari, Katoktara, Mala Shail, Loti Shail, Mongson, Playing, Parba, Chapa Khai, BR-15/Mohince, Vaturee, BR-5, Tansama, Dan 202, BR-22/Kiron, Joya (Indian), Iriton, Benama, BR - 7, Lal Dhan, Brridhan 33, BR-50, Tangail, BR-24, Sufala, Ashail, Palki, Brridhan 29, Brridhan 32, Matir Chak, Anam, Bajal, Rahman, BR-1/Beri, Brridhan 40, Aftab, Safnail, Merry, Atlail, Maising, Bangbui, Gazzali, BR-6, Khandalla, Kalingha, Panza, Sigral, Charui, 532 Dan, Hadiya

APPENDIX 3: RICE VARIETIES IN BANGLADESH BY DISTRICTS

RANGPUR DIVISION

Table 3.1: Area and Yield of Specific Rice Variety of Dinajpur District in Aman Season

Variety Name	Numbers of farm	% of Area	Yld ton/hac	SE of Mean
Aman Season				
Swarna (Indian)	175	45.64	3.47	0.065
BR-11/Mukta	131	27.69	3.74	0.090
Paizam	71	12.65	2.91	0.081
Brridhan 34	36	7.89	2.64	0.076
Kataree	10	1.13	2.57	0.173
Other*	26	5.00	2.51	0.165
Total	449	100.00	3.32	0.045

*Other Variety Grown: Shapahar, Ranajit, Raj Vogue, Zira Shail, Brridhan 39, Katari Bhog, Kali Zira, Purbachi, Brridhan 33, Brridhan 40, Bina-4, Salna

Table 3.2: Area and Yield of Specific Rice Variety of Dinajpur District in Boro Season

Variety Name	Numbers of farm	% of Area	Yld ton/hac	SE of Mean
Brridhan 28	103	25.33	5.42	0.095
Purbachi	53	15.79	5.01	0.134
BR-16/Shahi Balam	30	9.51	6.66	0.184
BR-1/Chandina/Chaina	38	9.44	4.60	0.123
Brridhan 29	33	9.31	7.06	0.201
Ussa IRRI	17	7.06	5.16	0.148
Iriton	18	6.41	5.25	0.288
Parijat (Indian)	31	5.46	5.05	0.200
BR-2/Mala IRRI	20	3.59	4.69	0.113
Other*	41	8.10	5.30	0.265
Total	384	100.00	5.42	0.064

*Other Variety Grown: Mala Shail, Jagoron (Hybrid), 94 Dan, Brridhan 33, Sonarbangla, Hira (Hybrid), Chikon, Paizam, Mota Miniket (Indian), Bina-5

Table 3.3: Area and Yield of Specific Rice Variety of Rangpur District in Aman Season

Variety Name	Numbers of farm	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	187	72.48	3.62	0.059
Swarna (Indian)	53	9.59	3.75	0.125
Jadu	16	2.86	3.25	0.038
Brridhan 33	15	2.39	2.96	0.203
Paizam	14	1.75	3.03	0.203
Other*	60	10.93	2.99	0.140

*Other Variety Grown: Brridhan 41, Brridhan 32, BR-1/Chandina/Chaina, BR-2/Mala IRRI, Iriton, Beto, Kali Zira, Jiramoti, Ashinee, Ukilimadhu, BR-3/Biplob, Shail, Bina-6, Katari Bhog, Pani Shail, Gochchha, BR-4, Brridhan 31, BR-10, Shapahar, Shawni, Bashiraj, Sonarbangla, Brridhan 40, Brridhan 39, Taramondal, Nilkomar

Table 3.4: Area and Yield of Specific Rice Variety of Rangpur District in Boro Season

Variety Name	Numbers of farm	% of Area	Yld ton/hac	SE of Mean
Brridhan 28	111	31.95	4.91	0.085
Brridhan 29	83	22.85	5.94	0.145
BR-1/Chandina/Chaina	52	17.09	4.92	0.095
Porbati	27	4.66	4.24	0.055
BR-15/Mohinee	16	4.64	6.55	0.254
BR-14/Gazi	20	4.07	5.62	0.158
Other*	57	14.74	5.24	0.182
Total	366	100.00	5.31	0.063

*Other Variety Grown: BR-16/Shahi Balam, Jagoron (Hybrid), Iriton, Taipe, Hira (Hybrid), BR-21, BR-20, Brridhan 33, Dari Shail, BR-2/Mala IRRI, Bhajan (Indian), Billalaha, Jhaura, Brridhan 36, Aftab, Rupshaw

Table 3.5: Area and Yield of Specific Rice Variety of Rangpur District in Aus Season

Variety Name	Numbers of farm	% of Area	Yld ton/hac	SE of Mean
Brridhan 28	12	78.29	3.86	0.240
Other*	2	21.71	4.63	1.213
Total	14	100.00	3.97	0.252

*Other Variety Grown: BR-14/Gazi, BR-9

Table 3.6: Area and Yield of Specific Rice Variety of Panchagarh District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Swarna (Indian)	47	82.44	3.50	0.112
Paizam	12	5.88	2.21	0.111
Other*	11	11.68	3.65	0.228
Total	70	100.00	3.30	0.104

*Other Variety Grown: Rahman, BR-11/Mukta, Brridhan 32, Iriton, Asamee

Table 3.7: Area and Yield of Specific Rice Variety of Panchagarh District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 28	24	49.57	5.98	0.254
Brridhan 29	21	35.63	7.05	0.231
Other*	12	14.81	6.59	0.441
Total	57	100.00	6.49	0.174

*Other Variety Grown: Hira (Hybrid), Iriton, Purbachi, Rupshaw, BR-16/Shahi Balam, BR-1/Chandina/Chaina, Jagoron (Hybrid)

Table 3.8: Area and Yield of Specific Rice Variety of Nilphamari District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	99	68.96	3.49	0.091
Swarna (Indian)	71	23.84	3.35	0.081
Other*	27	7.19	2.43	0.130
Total	197	100.00	3.30	0.062

*Other Variety Grown: Paizam, Agur, Shapahar, BR-10, Dangairri, Brridhan 33, Khamira, Brridhan 32, Nayanmoni (Indian), Balaka, Kali Zira, Gaindha

Table 3.9: Area and Yield of Specific Rice Variety of Nilphamari District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 28	107	62.84	4.97	0.073
Brridhan 29	36	14.24	6.36	0.145
IR-8	11	8.15	5.82	0.207
BR-14/Gazi	15	7.68	5.24	0.279
Other*	20	7.09	5.65	0.503
Total	189	100.00	5.38	0.085

*Other Variety Grown: Iriton, Ussa IRRI, Jagoron (Hybrid), BR-11/Mukta, Gochchha, Enda, Sonarbangla, Hira (Hybrid), BR-20, BR-5

Table 3.10: Area and Yield of Specific Rice Variety of Thakurgaon District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Swarna (Indian)	71	76.96	3.99	0.125
BR-11/Mukta	26	9.18	3.77	0.201
Lal Dhan	10	3.28	2.52	0.131
Lal Challisha/Hireem	10	2.91	2.22	0.741
Brridhan 33	10	2.34	5.13	0.244
Paizam	10	2.05	3.98	0.271
Other*	15	3.27	3.50	0.436
Total	152	100.00	3.85	0.100

*Other Variety Grown: Kataree, Brridhan 32, IEET, Brridhan 40, Joya (Indian), Pathor Nuri/Pathor Nuri, Begunbichi, Brridhan 39

Table 3.11: Area and Yield of Specific Rice Variety of Thakurgaon District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 28	66	70.82	5.62	0.129
Purbachi	19	12.88	5.49	0.378
Brridhan 29	19	10.17	7.99	0.357
Other*	11	6.13	5.02	0.452
Total	115	100.00	5.91	0.147

*Other Variety Grown: BR-2/Mala IRRIm, Parijat (Indian)

Table 3.12: Area and Yield of Specific Rice Variety of Lalmonirhat District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	79	46.28	3.65	0.088
Swarna (Indian)	49	32.72	3.56	0.121
Joya (Indian)	12	10.10	3.02	0.126
Other*	54	10.89	2.62	0.125
Total	194	100.00	3.32	0.067

*Other Variety Grown: Paizam, BR-1/Chandina/Chaina, Beto, Rahman, Bashmati, Brridhan 32, Depur, Brridhan 31, Brridhan 40, BR-5, IRR1-20, Brridhan 28, Dudsar, Deshi Jadu, BR-10, Chainese, Purbachi, Shapahar, Balaka, Modhu Shail, Malbuk, Brridhan 34, Bina-4, Pathak, Itali

Table 3.13: Area and Yield of Specific Rice Variety of Lalmonirhat District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	48	45.28	6.04	0.155
Brridhan 28	52	26.56	4.72	0.143
BR-14/Gazi	29	17.84	5.17	0.179
Purbachi	14	5.12	4.47	0.203
Other*	16	5.19	6.23	0.431
Total	159	100.00	5.32	0.100

*Other Variety Grown: Jagoron (Hybrid), Aftab, Hira (Hybrid), BR-8/Asha, BR-16/Shahi Balam, BR-1/Chandina/Chaina, BR-9, BAU -63, Ranisent

Table 3.14: Area and Yield of Specific Rice Variety of Lalmonirhat District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 28	2	32.00	3.23	0.066
Sonarbangla	1	32.00	5.93	-
Parichak	1	20.00	1.98	-
Gatadungra	1	16.00	2.96	-
Total	5	100.00	3.46	0.658

Table 3.15: Area and Yield of Specific Rice Variety of Kurigram District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	180	65.03	3.83	0.054
Swarna (Indian)	66	9.69	3.16	0.058
Paizam	58	7.82	2.83	0.089
Shapahar	19	5.12	2.83	0.176
BR-20	23	4.68	2.78	0.108
Other*	63	7.65	2.49	0.133
Total	409	100.00	3.28	0.044

*Other Variety Grown: Khirkunni, Pakri, Brridhan 29, Brridhan 40, Tilkapur, Brridhan 28, Jasoa, AloI, Nazir Shail, Jaldepa, IRR1-20, Mal Sira, Pani Shail, Kali Zira, Binni/Kashia Binni, Begunbichi, Enda, Brridhan 33, Sonarbangla, BR-27, Sahar Moni

Table 3.16: Area and Yield of Specific Rice Variety of Kurigram District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	140	48.88	6.11	0.087
Brridhan 28	130	24.53	5.10	0.074
Hira (Hybrid)	39	11.72	7.25	0.162
Jagoron (Hybrid)	30	5.77	7.31	0.171
BR-11/Mukta	14	4.66	5.30	0.349
Other*	19	4.44	5.71	0.419
Total	372	100.00	5.92	0.067

*Other Variety Grown: BR-14/Gazi, BR-3/Biplob, Sonarbangla, BR-16/Shahi Balam, BR-26/Shraboni, Iriton, Taipe, 76 no. Dhan, Brridhan 30, Aftab

Table 3.17: Area and Yield of Specific Rice Variety of Kurigram District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 28	2	63.59	4.69	0.251
Nokidumra	1	25.54	1.79	-
Bailaforale	1	10.87	2.96	-
Total	4	100.00	3.53	0.717

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Table 3.18: Area and Yield of Specific Rice Variety of Sirjganj District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	85	48.00	4.15	0.119
Swarna (Indian)	26	8.33	3.71	0.164
Paizam	18	7.47	3.00	0.146
BR-2/Mala IRRI	19	5.56	3.10	0.154
Paitja	18	4.49	2.09	0.119
Gaindha	16	4.37	2.17	0.114
Other*	59	21.77	3.21	0.281
Total	241	100.00	3.42	0.088

*Other Variety Grown: Brridhan 32, Dopa, Brridhan 40, Bowalil, Nazir Shail, Brridhan 30, BRR I Shail, Sovaraz, Hizlee digha, Depur, Parijat (Indian), Pakzar, Brridhan 33, Brridhan 39, Harhari, Brridhan 29, Kartik Shail, BR-9, Beto, Brridhan 34, Khasa sugandi

Table 3.19: Area and Yield of Specific Rice Variety of Sirjganj District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	202	66.04	7.02	0.085
Brridhan 28	113	14.32	5.59	0.107
Hira (Hybrid)	46	6.34	8.91	0.118
Jagoron (Hybrid)	22	3.16	8.40	0.250
BR-1/Chandina/Chaina	23	3.01	4.88	0.229
Other*	53	7.13	6.81	0.329
Total	459	100.00	6.77	0.078

*Other Variety Grown: Iriton, Aftab, Purbachi, BR-26/Shraboni, Sonarbangla, Naikolzari, Akther, IEET, Brridhan 36, Anamika, IR-50, BR-9, Gurun, BR-50, Brridhan 39, A.L.P-50

Table 3.20: Area and Yield of Specific Rice Variety of Sirjganj District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Porangi	2	81.97	1.38	0.198
Kala Manik	1	18.03	1.50	-
Total	3	100.00	1.42	0.120

Table 3.21: Area and Yield of Specific Rice Variety of Pabna District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Swarna (Indian)	74	39.77	4.12	0.113
BR-11/Mukta	58	28.08	4.23	0.129
Pakri	16	13.95	2.24	0.083
Brridhan 39	13	3.86	4.36	0.309
Other*	36	14.35	2.87	0.232
Total	197	100.00	3.81	0.088

*Other Variety Grown: Brridhan 33, Digha, Brridhan 41, Paizam, Brridhan 30, Brridhan 29, Aloke, BR-12, Lal Bhowla, Loha Dang, Shil Komol, Boron Dhan, Brridhan 40, Bashi Raj, Soman Swarna (Indian)

Table 3.22: Area and Yield of Specific Rice Variety of Pabna District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	121	67.10	5.90	0.118
Dopa	24	14.39	4.15	0.294
Brridhan 28	41	11.13	5.74	0.171
Topa Boro	13	2.73	3.37	0.292
Other*	16	4.65	5.82	0.306
Total	215	100.00	5.68	0.099

*Other Variety Grown: Taipe, Ratna (Indian), IR-50, Brridhan 33, BR-14/Gazi, BR-11/Mukta, BR-12, Subid-1

Table 3.23: Area and Yield of Specific Rice Variety of Pabna District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-21	19	48.62	3.39	0.219
Kalikora	7	20.75	1.44	0.043
Other*	12	30.62	2.64	0.321
Total	38	100.00	2.76	0.190
BR-21	19	48.62	3.39	0.219

*Other Variety Grown: IR-50, BR-50, Kala Bakri, Brridhan 33, Kutimoni, Birkona/Pala

Table 3.24: Area and Yield of Specific Rice Variety of Chapai Nawabganj District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Swarna (Indian)	20	66.78	4.18	0.196
Sada Swarna (Indian)	10	13.94	4.39	0.141
Other*	20	19.29	3.15	0.350
Total	50	100.00	3.82	0.179

*Other Variety Grown: Chini Atob, Brridhan 32, Paridhan, Brridhan 39, Brridhan 29, BR-11/Mukta, Folana, Nayanmoni (Indian), Kali Zira, Anamika, Soman Swarna (Indian), Badsha Vogh, Kalirai

Table 3.25: Area and Yield of Specific Rice Variety of Chapai Nawabganj District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Parijat (Indian)	35	36.88	5.88	0.168
Brridhan 29	22	20.81	7.04	0.296
Brridhan 28	22	11.21	6.05	0.139
Nayanmoni (Indian)	18	10.49	6.10	0.190
Other*	22	20.61	6.26	0.248
Total	119	100.00	6.22	0.100

*Other Variety Grown: BR-1/Chandina/Chaina, Brridhan 36, Swarna (Indian), Brridhan 33, Chini Atob, Zira Shail, Brridhan 39, BR-20, Samji

Table 3.26: Area and Yield of Specific Rice Variety of Chapai Nawabganj District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Sangkarpati	17	41.40	2.67	0.080
Parijat (Indian)	26	36.46	3.32	0.097
Nayanmoni (Indian)	17	17.65	3.72	0.107
Other*	3	4.49	1.92	0.291
Total	63	100.00	3.19	0.082

*Other Variety Grown: Devog, Swarna (Indian) Basuri, Sani

Table 3.27: Area and Yield of Specific Rice Variety of Joypurhat District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	33	49.78	4.04	0.162
Swarna (Indian)	25	35.97	4.22	0.156
Other*	15	14.25	3.35	0.349
Total	73	100.00	4.00	0.114

*Other Variety Grown: Shil Komol, Paizam, Brridhan 32, Chini Atob, Gochehha, Binni/Kashia Binni, Brridhan 39

Table 3.28: Area and Yield of Specific Rice Variety of Joypurhat District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 28	32	44.57	5.72	0.131
Brridhan 29	24	36.03	7.55	0.156
Other*	16	19.40	5.74	0.169
Total	72	100.00	6.33	0.133

*Other Variety Grown: Purbachi, BR-15/Mohinec, Ussa IRRI, Brridhan 33

Table 3.29: Area and Yield of Specific Rice Variety of Rajshahi District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Swarna (Indian)	116	47.03	4.32	0.078
BR-11/Mukta	61	17.93	4.29	0.134
Brridhan 30	26	7.87	3.51	0.139
Brridhan 32	17	5.59	3.97	0.193
Paizam	24	3.75	3.36	0.165
Chini Atob	15	3.63	2.38	0.132
Brridhan 39	12	3.58	3.93	0.321
Other*	48	10.62	3.11	0.178
Total	319	100.00	3.90	0.060

*Other Variety Grown: Soman Swarna (Indian), Chengree, Parijat (Indian), Gochchha, Indor Shail, Brridhan 29, Brridhan 28, BR-1/Chandina/Chaina, Mugi, Kanni, BR-23/Disharce, Rayenda, Dudsar, Nayanmoni (Indian), Malanche, BR-10, Purbachi, Brridhan 33, Zira Shail, Brridhan 36, Jinga Sail, Kalokora, Brridhan 34, BR-5, Hida, Balenga, 96 Dhan, Bachow

Table 3.30: Area and Yield of Specific Rice Variety of Rajshahi District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 28	120	44.58	6.15	0.105
Brridhan 29	66	19.41	7.26	0.160
Parijat (Indian)	51	18.61	5.09	0.091
Other*	53	17.40	6.40	0.193
Total	290	100.00	6.25	0.079

*Other Variety Grown: Brridhan 36, 96 Dhan, Purbachi, Sonarbangla, Iriton, BR-1/Chandina/Chaina, Nayanmoni (Indian), Zira Shail, Hira (Hybrid), Bachow, BR-3/Biplob, BR-14/Gazi, BR-10, Brridhan 39

Table 3.31: Area and Yield of Specific Rice Variety of Rajshahi District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Parijat (Indian)	64	48.95	3.63	0.088
Brridhan 28	72	31.91	3.88	0.139
Purbachi	10	9.10	3.08	0.162
Other*	24	10.04	3.35	0.199
Total	170	100.00	3.64	0.070

*Other Variety Grown: 96 Dhan, BR-1/Chandina/Chaina, Nayanmoni (Indian), BR-50, Zira Shail, Bachow, Gutti Lata, Brridhan 29, Brridhan 39, Hingsuri, BR-18

Table 3.32: Area and Yield of Specific Rice Variety of Naogaon District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Swarna (Indian)	155	49.01	4.43	0.059
Paizam	53	16.57	3.01	0.127
BR-11/Mukta	81	14.52	4.32	0.084
Chini Atob	74	12.03	2.69	0.058
Shomon	17	4.61		
Other*	24	3.26	3.23	0.205
Total	404	100.00	3.86	0.054

*Other Variety Grown: Benapol, Brridhan 32, Brridhan 40, Brridhan 39, IRRI-20, Brridhan 28, IR-50, Sonalce, Tipushail, Joydeb

Table 3.33: Area and Yield of Specific Rice Variety of Naogaon District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 28	117	31.13	5.55	0.084
Zira Shail	39	18.11	2.15	0.282
Brridhan 29	60	14.45	7.22	0.119
BR-2/Mala IRRI	32	11.44	5.46	0.111
Parijat (Indian)	56	9.41	5.24	0.084
Purbachi	15	1.93	5.78	0.157
Other*	76	13.53	6.19	0.195
Total	395	100.00	5.72	0.075

*Other Variety Grown: Zari Shail, Brridhan 36, Minigat, IR-8, Hira (Hybrid), BR-10, BR-3/Biplob, BR-16/Shahi Balam, Iriton, IR-50, Mala Shail, 76 no. Dhan, Chini Atob, Raicha, BR-11/Mukta, BR-26/Shraboni, Mota Miniket (Indian), BR-21

Table 3.34: Area and Yield of Specific Rice Variety of Naogaon District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-21	85	57.24	4.34	0.094
Parijat (Indian)	58	34.65	3.50	0.100
Other*	28	8.11	3.42	0.206
Total	171	100.00	3.92	0.074

*Other Variety Grown: BR-2/Mala IRRI, Purbachi, Mota Miniket (Indian), BR-16/Shahi Balam, Brridhan 28, Zira Shail, Gaba, BR-3/Biplob, Alope, IR-50, BR-10, Amidikhan, Shomon

Table 3.35: Area and Yield of Specific Rice Variety of Natore District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	56	32.47	3.91	0.104
Swarna (Indian)	58	31.98	4.12	0.114
Brridhan 39	12	6.43	4.01	0.255
Other*	56	29.12	3.00	0.119
Total	182	100.00	3.71	0.072

*Other Variety Grown: Digha, Brridhan 33, Kartik Shail, Hida, Dopa, BR-10, BR-23/Disharce, Gochchha, Brridhan 30, BR-22/Kiron, Hizlee digha, IR-50, Nazir Shail, BR-18, Bina-4

Table 3.36: Area and Yield of Specific Rice Variety of Natore District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	73	34.50	7.22	0.161
Hira (Hybrid)	28	16.95	7.53	0.131
Sonarbangla	19	11.99	7.21	0.204
Brridhan 28	21	10.64	6.30	0.209
Iriton	16	7.13	5.85	0.344
Other*	34	18.79	6.73	0.303
Total	191	100.00	6.97	0.098

*Other Variety Grown: Jagoron (Hybrid), Aftab, Raicha, Khara Chamila, Brridhan 36, Haitta, BR-10,Brridhan 33, Brridhan 39

Table 3.37: Area and Yield of Specific Rice Variety of Natore District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Hizlee digha	16	26.64	1.96	0.091
Pathor Nuti/Pathor Nuri	7	25.74	2.03	0.183
Shani	9	13.77	2.03	0.115
Other*	20	33.84	2.37	0.115
Total	52	100.00	2.12	0.064

*Other Variety Grown: BR-21, Deshi Boro, Digha, Uttar Nagra, Sonarbangla, Aftab, BR-24

Table 3.38: Area and Yield of Specific Rice Variety of Bogra District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	189	40.46	4.05	0.070
Paizam	174	37.47	3.01	0.045
Swarna (Indian)	59	8.91	3.39	0.155
Brridhan 32	27	3.46	3.82	0.196
BR-25	11	2.12	3.01	0.062
BR-2/Mala IRRI	16	1.68	2.94	0.184
Other*	66	5.90	2.80	0.136
Total	542	100.00	3.42	0.045

*Other Variety Grown: Shail, Brridhan 34, Khatbada, Salna, BR-10, Haitta, Brridhan 41, Kali Zira, Chini Atob, Abdul Ali, Jupri, IRRI-9, BR-22/ Kiron, Gaindha, BR-26/Shraboni, BR-12, Nazir Shail, Brridhan 31, Bona Aman, BR-64, Brridhan 39, Paitja, Sugandi, Magura

Table 3.39: Area and Yield of Specific Rice Variety of Bogra District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-1/Chandina/Chaina	148	34.28	4.43	0.081
Brridhan 28	123	20.32	5.05	0.095
Parijat (Indian)	54	12.96	4.17	0.197
Brridhan 29	61	7.67	6.85	0.178
Purbachi	30	4.35	4.84	0.111
Brridhan 32	13	3.79	5.29	0.256
Jupri	26	3.71	4.29	0.049
Iriton	21	3.03	5.35	0.167
Hira (Hybrid)	20	3.00	7.40	0.406
Other*	46	6.89	5.11	0.242
Total	542	100.00	5.10	0.065

*Other Variety Grown: BR-2/Mala IRRI, BR-6, 76 no. Dhan, Paridhan, A.L.P-50, Zira Shail, IR-8, BR-14/Gazi, Paizam, BR-15/Mohince, BR-26/ Shraboni, Joyna, Bhajan (Indian), Swarna (Indian), Kutimoni, Sonarbangla, Jagoron (Hybrid), BR-64, Dular

Table 3.40: Area and Yield of Specific Rice Variety of Bogra District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Parijat (Indian)	18	77.38	2.57	0.26
BR-1/Chandina/Chaina	7	13.05	2.73	0.29
Other*	3	9.58		
Total	28	100.00	2.626	0.195

*Other Variety Grown: Parijat (Indian), Jupri, BR-6

DHAKA DIVISION

Table 3.41: Area and Yield of Specific Rice Variety of Naryanganj District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	7	86.67	5.76	0.112
Paizam	1	13.33	5.27	
Total	8	100.00	5.69	0.118

Table 3.42: Area and Yield of Specific Rice Variety of Naryanganj District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	91	79.75	7.00	0.081
Brridhan 28	36	16.07	6.22	0.144
Bina-6	5	4.19	7.18	0.302
Total	132	100.00	6.79	0.075

Table 3.43: Area and Yield of Specific Rice Variety of Naryanganj District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-14/Gazi	10	63.86	5.66	0.192
Brridhan 28	5	36.14	5.93	0.000
Total	15	100.00	5.76	0.124

Table 3.44: Area and Yield of Specific Rice Variety of Dhaka District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	8	10.47	3.66	0.234
BR-11/Mukta	27	33.08	4.06	0.224
Paizam	9	5.84	3.34	0.217
Nazir Shail	9	4.67	2.29	0.342
Other*	35	45.94	3.10	0.263
Total	88	100.00	3.41	0.145

*Other Variety Grown: Hizlee digha, Aloï, Kali Zira, Raj Voguc, Brridhan 32, Brridhan 41, Birui, Brridhan 34, Sona Digha, Brridhan 30, Brridhan 40, Naldigha, Jamir, Brridhan 38, Amshail, Harhari

Table 3.45: Area and Yield of Specific Rice Variety of Dhaka District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	208	87.49	6.48	0.074
Brridhan 28	43	8.83	5.96	0.141
Other*	26	3.68	6.36	0.262
Total	277	100.00	6.39	0.065

*Other Variety Grown: BR-3/Biplob, BR-16/Shahi Balam,Iriton, Hira (Hybrid), Brridhan 38

Table 3.46: Area and Yield of Specific Rice Variety of Narsingdi District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	99	53.21	3.77	0.083
Paizam	50	16.24	3.06	0.099
Brridhan 28	18	7.47	3.50	0.171
Brridhan 32	18	7.36	4.10	0.149
Other*	74	15.72	2.91	0.141
Total	259	100.00	3.40	0.062

*Other Variety Grown: Kali Zira, Brridhan 29, Kala Manik, Gaindha, Brridhan 30, Furabi Shail, Brridhan 31, Brridhan 41, Tulsimala, Balam, Loti Shail, Ekor Chaoul, BR-1/Chandina/Chaina, BR-10, Chinigura, Lal Dhan, Bashmati

Table 3.47: Area and Yield of Specific Rice Variety of Narsingdi District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	155	67.65	5.74	0.084
Brridhan 28	93	24.76	5.18	0.107
Other*	37	7.58	4.96	0.212
Total	285	100.00	5.45	0.066

*Other Variety Grown: IR-8, BR-14/Gazi, Paizam, BR-16/Shahi Balam, Swarna (Indian), BR-3/Biplob, BR-11/Mukta, BR-1/Chandina/Chaina, BR-8/Asha, Brridhan 30, Hira (Hybrid)

Table 3.48: Area and Yield of Specific Rice Variety of Munsiganj District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Deshi Boro	2	100.00	2.83	0.461
Total	2	100.00	2.83	0.461

Table 3.49: Area and Yield of Specific Rice Variety of Munsiganj District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	80	78.00	6.05	0.199
Brridhan 28	20	5.75	5.36	0.455
Other*	27	16.25	4.39	0.471
Total	127	100.00	5.59	0.184

*Other Variety Grown:BR-16/Shahi Balam, BR-3/Biplob, BR-14/Gazi

Table 3.50: Area and Yield of Specific Rice Variety of Munsiganj District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-2/Mala IRRI	1	20.69	5.76	
Brridhan 28	5	79.31	5.00	0.261
Total	6	100.00	5.13	0.248

Table 3.51: Area and Yield of Specific Rice Variety of Gazipur District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	79	26.92	3.81	0.089
Paizam	90	26.73	3.26	0.077
Nazir Shail	30	16.05	2.45	0.129
Swarna (Indian)	25	8.48	3.67	0.184
Other*	85	21.82	2.69	0.109
Total	309	100.00	3.22	0.055

*Other Variety Grown: Kali Zira, Furabati, Afsaya, Tilkapur, Binni/Kashia Binni, BR-14/Gazi, Hasful, BR-22/Kiron, Brridhan 32, Brridhan 30, Chinigura, Brridhan 34, BR-23/Disharee, BR-19, Brridhan 31, Brridhan 39, Brridhan 29, Aloke, BR-2/Mala IRRI, Brridhan 28, Aloji, Lal Dhan, Brridhan 41, Bowalil, Nilkomar, Lalmoni

Table 3.52: Area and Yield of Specific Rice Variety of Gazipur District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	168	60.13	5.70	0.103
BR-14/Gazi	57	14.08	5.69	0.118
Brridhan 28	62	10.63	5.05	0.154
BR-19	19	6.97	5.52	0.140
Other*	33	8.19	4.53	0.331
Total	339	100.00	5.46	0.072

*Other Variety Grown: Loti Shail, BR-16/Shahi Balam, Jagla, Sonalee, Hira (Hybrid), BR-3/Biplob, Sonarbangla, BR-11/Mukta, BR-2/Mala IRRI, Taipe, Sarkaree, Anamika, Barud, Munsiri

Table 3.53: Area and Yield of Specific Rice Variety of Gazipur District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-2/Mala IRRI	8	85.03	2.10	0.224
Brridhan 28	1	14.97	2.99	
Total	9	100.00	2.20	0.221

Table 3.54: Area and Yield of Specific Rice Variety of Manikganj District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Bowalil	37	36.54	1.26	0.076
Hizlee digha	24	21.17	1.25	0.142
Digha	13	13.05	1.53	0.173
Other*	38	29.25	1.97	0.269
Total	112	100.00	1.47	0.094

*Other Variety Grown: Bhasa Manik, BR-11/Mukta, Manik Digha, Dopa, Mollahdiga, Modhu Shail, Harhari, Brridhan 29, BR-22/Kiron. Jhuala, Lal Dhan, Haringha Diga, Amshail

Table 3.55: Area and Yield of Specific Rice Variety of Manikganj District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	132	77.51	6.97	0.110
IR-8	19	9.61	6.44	0.334
Brridhan 28	26	6.93	7.08	0.211
Other*	22	5.94	5.47	0.403
Total	199	100.00	6.77	0.101

*Other Variety Grown: Bina-6, BR-3/Biplob, BR-14/Gazi, Aush-Amon Misro, BR-2/Mala IRRI, Taipe, BR-68, Lal Dhan

Table 3.56: Area and Yield of Specific Rice Variety of Manikganj District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Porangi	25	31.88	1.58	0.085
Barchamuri	17	25.20	1.70	0.127
Kala Manik	23	22.07	1.55	0.093
Aush-Amon Misro	21	18.12	1.83	0.094
Other*	2	2.72	1.48	0.000
Total	88	100.00	1.65	0.048

*Other Variety Grown: Manik Digha, Asakumra

Table 3.57: Area and Yield of Specific Rice Variety of Tangail District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	97	30.53	3.60	0.076
Paizam	58	15.19	3.08	0.073
Jali Aman/Baran/ Chamara	38	14.85	1.85	0.072
Pakzar	30	6.24	2.49	0.096
Afsaya	15	3.63	2.71	0.122
Nazir Shail	14	3.17	2.46	0.118
Other*	104	26.38	2.70	0.099
Total	356	100.00	2.89	0.049

*Other Variety Grown: Chapillya, Sileti Iri, Swarna (Indian), Aloï, MT, Rahmat, BR-12, Kali Zira, Bowalil, Brridhan 29, Anam, Brridhan 41, Komak Kamini, Gaiñdha, BR-2/Mala IRRI, Digha, Dopa, Brridhan 31, Enda, Brridhan 39, Haringha Diga, Paitja, Hizlee digha, Brridhan 32, Brridhan 30, Asmon Silkee/Agomon Silkee, Rahman, Brridhan 40, Dulai, Savar, Mugi, Bashi Ra

Table 3.58: Area and Yield of Specific Rice Variety of Tangail District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	215	76.54	6.14	0.083
Brridhan 28	59	12.06	4.92	0.143
IR-8	25	4.64	5.52	0.174
Narikel Badi	15	1.57	3.36	0.449
Other*	43	5.18	4.62	0.216
Total	357	100.00	5.67	0.073

*Other Variety Grown: BR-14/Gazi, BR-3/Biplob, Paizam, Iriton, BR-1/Chandina/Chaina, Porbati, BR-11/Mukta, BR-26/Shraboni, BR-12, Deshi Boro, Kali Zira, BR-2/Mala IRRI, Brridhan 36, BR-1/Beri, Choto Irii

Table 3.59: Area and Yield of Specific Rice Variety of Mymensingh District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	321	37.72	3.83	0.049
Paizam	190	18.11	3.47	0.068
BR-22/Kiron	44	5.26	3.05	0.140
Guri Afsi	49	4.39	2.85	0.055
Balam	29	3.03	2.39	0.104
Hazishail	22	2.85	2.53	0.106
Brridhan 32	34	2.78	3.97	0.170
Rahman	24	2.07	3.11	0.155
Nazir Shail	31	1.85	2.60	0.095
Kali Zira	57	1.65	2.00	0.092
Maloti	25	1.62	2.42	0.127
Birui	21	1.19	2.80	0.201
Chinigura	22	0.94	2.41	0.166
Other*	235	16.53	2.68	0.058
Total	1104	100.00	3.19	0.032

*Other Variety Grown: Fulkoroi, Bashi Raj, Binni/Kashia Binni, Jalkumari, Swarna (Indian), Brridhan 34, Badiuzzaman, Mal Sira, Chini Atob, BR-14/Gazi, Brridhan 30, Brridhan 40, Brridhan 41, Sada Anaima, Dudsar, Jali Aman/Baran/Chamara, Anamika, BR-23/Disharee, Aloï, BR-10, Paridhan, Jamros, Moyna Shail, Parijat (Indian), Tulsimala, Loti Shail, Golapi, Gol Irri, Hasem, Bajal, Brridhan 33, Poymol, Khilnoail, Chan Moni, Musuri, Brridhan 29, BR-3/Biplob, Brridhan 28, Lal Digha, Mota Dhan, Gurun, Borsalee, Kolom Debi/Deshi Kolom. Furabi Shail, Shapahar, Bashiraj, BR-50, Nuniya, Khasa sugandi, Babui

Table 3.60: Area and Yield of Specific Rice Variety of Mymensingh District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	203	26.49	5.67	0.071
Brridhan 28	228	25.24	4.56	0.054
Paizam	135	14.60	4.27	0.097
BR-14/Gazi	78	9.64	4.94	0.117
BR-1/Chandina/Chaina	50	5.55	4.55	0.164
Godha IRRI	25	3.67	5.01	0.236
BR-26/Shraboni	21	3.10	4.63	0.150
BR-3/Biplob	31	2.71	4.28	0.244
Iriton	30	2.64	5.08	0.187
Purbachi	27	2.15	4.22	0.167
Paijar	19	1.55	2.30	0.249
Other*	28	2.65	4.47	0.384
Total	875	100.00	4.78	0.041

*Other Variety Grown: BR-2/Mala IRRI, Maitta Gorol, Anamika, Bina-5, Gol Irri, BR-16/Shahi Balam, Hizlee digha, Brridhan 32, Zabra, Jagla, Mota Dhan, Dhan, Brridhan 33, Jagoron (Hybrid), Hira (Hybrid), Bashmati, Khasha, BR-24, Hajak, Ncyamat

Table 3.61: Area and Yield of Specific Rice Variety of Mymensingh District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Hajak	29	25.45	2.88	0.134
BR-3/Biplob	39	19.63	2.80	0.144
Paijar	32	18.85	2.46	0.122
BR-2/Mala IRRI	22	13.86	2.85	0.138
Paizam	18	9.50	2.43	0.183
Other*	28	12.71	2.64	0.176
Total	168	100.00	2.67	0.066

*Other Variety Grown: Brridhan 28, Ussa IRRI, Purbachi, BR-11/Mukta, Agla Shail, Maloti, Mohislam, Godha IRRI, Kakani Bati, Neyamat

Table 3.62: Area and Yield of Specific Rice Variety of Kishorganj District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	78	42.50	4.11	0.083
Paizam	49	17.22	3.54	0.110
BR-22/Kiron	28	11.25	3.59	0.149
Birui	17	9.09	2.71	0.157
Khillai	14	6.55	2.64	0.165
Other*	35	13.40	3.99	0.178
Total	221	100.00	3.71	0.062

*Other Variety Grown: Brridhan 32, BR-14/Gazi, Brridhan 41, Brridhan 29, Mangiri, Furabi Shail, BR-54, BR-23/Disharec, Brridhan 30, Borsalec, Loha Dang, Brridhan 33, Brridhan 40, Kiran, Billun, Abdul Ali, Khilnoail

Table 3.63: Area and Yield of Specific Rice Variety of Kishorganj District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	211	69.74	5.97	0.077
Brridhan 28	90	12.33	5.25	0.107
BR-14/Gazi	61	10.03	4.88	0.106
BR-3/Biplob	10	1.16	6.22	0.253
Paizam	8	0.78	4.47	0.324
Other*	43	5.96	6.25	0.421
Total	423	100.00	5.66	0.065

*Other Variety Grown: BR-3/Biplob, Paizam, Lakhai, Ratha, Anamika, Hazishail, Shahajalal, BR-8/Asha, BR-22/Kiron, Topa Boro, Jagoron (Hybrid), Khillai, Hira (Hybrid), Aftab

Table 3.64: Area and Yield of Specific Rice Variety of Kishorganj District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-26/Shraboni	9	40.24	3.06	0.274
Paizam	9	22.56	2.69	0.209
BR-2/Mala IRRI	7	15.19	2.67	0.118
Other*	6	22.01	2.85	0.457
Total	31	100.00	2.82	0.128

*Other Variety Grown: BR-14/Gazi, BR-21, Brridhan 28, Porbati

Table 3.65: Area and Yield of Specific Rice Variety of Jamalpur District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	156	45.46	4.03	0.064
Paizam	85	21.04	3.15	0.075
Swarna (Indian)	29	7.50	3.73	0.114
Nayaraz	24	6.20	2.80	0.106
Brridhan 28	20	3.18	2.87	0.193
Gaindha	13	2.72	2.43	0.099
Halui	12	1.73	2.34	0.353
Mal Sira	10	1.48	2.73	0.074
Other*	61	10.69	2.88	0.119
Total	410	100.00	3.44	0.047

*Other Variety Grown: Rosmala, BR-2/Mala IRRI, Dopa, Raj Vogue, Brridhan 33, Brridhan 29, Kali Zira, Binni/Kashia Binni, Brridhan 32, BR-26/Shraboni, Brridhan 40, Joya (Indian), Aloï, Tulsimala, Dol Kachua, Gabura, Kojurec, Sonalec, Chamara, Loti Shail, BR-50, Rahman, Brridhan 41, Lalkhora, Bashiraj

Table 3.66: Area and Yield of Specific Rice Variety of Jamalpur District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	147	43.52	6.38	0.092
Brridhan 28	134	25.03	5.08	0.070
BR-14/Gazi	34	6.30	5.30	0.124
Hira (Hybrid)	29	6.10	8.01	0.217
BR-3/Biplob	27	5.50	5.29	0.106
Other*	86	13.55	5.99	0.173
Total	457	100.00	5.88	0.063

*Other Variety Grown: BR-26/Shraboni, IR-8, Iriton, Taïpe, Jagoron (Hybrid), BR-16/Shahi Balam, BR-1/Chandina/Chaina, Sonarbangla, Aftab, Bina-6, Anamika, BR-8/Asha, Haïtta, Hasmukha, Paizam, Kolbiz, BR-50, Brridhan 36, Saital, Rice R, Bashmati

Table 3.67: Area and Yield of Specific Rice Variety of Sherpur District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	86	18.24	4.21	0.094
Tulsimala	60	9.24	2.28	0.076
Brridhan 32	37	8.00	4.16	0.135
Jadu	28	7.49	2.02	0.135
Swarna (Indian)	23	6.48	2.30	0.128
Golapi	18	5.37	2.88	0.117
Halui	28	4.86	2.62	0.123
Birui	13	2.45	2.33	0.116
Other*	167	37.88	2.92	0.069
Total	460	100.00	3.08	0.052

*Other Variety Grown: Binni/Kashia Binni, Mal Sira, Brridhan 30, Jalkumari, Aloï, Dol Kachua, Bashmati, Brridhan 28, Chinigura, Anam, Loti Shail, Brridhan 40, IR-8, BR-26/Shraboni, Billalaha, Jasoa, Brridhan 31, Maloti, Brridhan 33, Rahman, Brridhan 41, Brridhan 39, Phankhiraj, Peshaba

Table 3.68: Area and Yield of Specific Rice Variety of Sherpur District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 28	119	42.82	4.64	0.075
BR-26/Shraboni	78	23.51	4.63	0.090
Brridhan 29	75	18.32	5.87	0.089
BR-3/Biplob	34	7.31	4.24	0.159
Other*	33	8.04	5.72	0.322
Total	339	100.00	4.97	0.060

*Other Variety Grown: BR-14/Gazi, BR-16/Shahi Balam, Hira (Hybrid), Jagoron (Hybrid), Brridhan 36, Kaika, Saiful, Jadu

Table 3.69: Area and Yield of Specific Rice Variety of Sherpur District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-3/Biplob	17	50.61	2.42	0.219
BR-26/Shraboni	8	25.13	3.43	0.462
Brridhan 28	7	11.84	2.67	0.486
Other*	6	12.42	3.19	0.451
Total	38	100.00	2.79	0.184

*Other Variety Grown: BR-2/Mala IRRI, Brridhan 29, Paizam, Balam, BR-27

Table 3.70: Area and Yield of Specific Rice Variety of Netrokona District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Paizam	82	25.20	3.35	0.092
BR-11/Mukta	67	20.13	3.60	0.142
Brridhan 32	50	12.26	3.66	0.147
Birui	24	9.01	2.04	0.109
Buro Afaz	19	7.16	2.17	0.287
Other*	79	26.25	2.65	0.115
Total	321	100.00	3.11	0.063

*Other Variety Grown: Baidha Raj, Loti Shail, Brridhan 40, Bagraz, Chapillya, Brridhan 41, Kali Zira, Sate Boal, Boro Baish, Brridhan 29, BR-14/Gazi, Ratna (Indian), BR-1/Chandina/Chaina, Tulsimala, Brridhan 30, Brridhan 31, Bharoti Pajam, Chamara, Brridhan 33, BR-25, Brridhan 39, Champali, Kamal Vog

Table 3.71: Area and Yield of Specific Rice Variety of Netrokona District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	120	47.95	4.99	0.134
Paizam	48	11.98	4.08	0.214
Brridhan 28	53	11.41	3.75	0.237
BR-14/Gazi	27	10.04	4.58	0.229
Other*	54	18.62	3.64	0.185
Total	302	100.00	4.37	0.092

*Other Variety Grown: BR-1/Chandina/Chaina, Lakkhi Bilas, BR-3/Biplob, Topa Boro, BR-19, Jagoron (Hybrid), BR-26/Shraboni, Taipe, Deshi Boro, Binni/Kashia Binni, Comilla-RRI, BR-11/Mukta, BR-9, Gochchha, Mongal, Bagraz

Table 3.72: Area and Yield of Specific Rice Variety of Netrokona District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Binni/Kashia Binni	19	87.15	2.71	0.087
Other*	5	12.85	3.23	0.482
Total	24	100.00	2.82	0.123

* Other Variety Grown: BR-3/Biplob, Brridhan 29, Paizam

Table 3.73: Area and Yield of Specific Rice Variety of Faridpur District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	114	43.66	3.98	0.104
Shishumoti	34	12.83	1.85	0.165
Swarna (Indian)	43	12.45	3.78	0.163
Brridhan 32	14	4.02	4.58	0.302
Brridhan 33	16	3.34	3.53	0.250
Paizam	13	3.33	3.26	0.284
Other*	73	20.37	2.98	0.177
Total	307	100.00	3.51	0.079

*Other Variety Grown: Brridhan 30, Brridhan 39, Hizlee digha, Zoal, Brridhan 29, BR-10, Chini Atob, Digha, Balam, BR-2/Mala IRRI, Brridhan 28, Brridhan 31, Kali Zira, Bashiraj, BR-3/Biplob, Kartik Shail, BR-9, Raja Shail, Jhaura, Brridhan 40, Aftab, Surjamani

Table 3.74: Area and Yield of Specific Rice Variety of Faridpur District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	188	68.19	6.94	0.091
Brridhan 28	46	7.68	5.86	0.194
BR-14/Gazi	40	7.32	5.97	0.149
IR-8	25	5.23	6.59	0.190
Other*	53	11.58	5.72	0.237
Total	352	100.00	6.48	0.074

*Other Variety Grown: Taipe, BR-3/Biplob, BR-16/Shahi Balam, Ratna (Indian), Hira (Hybrid), Deshi Boro, Brridhan 33, Kalikora, BR-2/Mala IRRI, Atom, Kazla

Table 3.75: Area and Yield of Specific Rice Variety of Faridpur District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Porangi	36	78.68	1.55	0.076
Other*	10	21.32	2.24	0.602
Total	46	100.00	1.70	0.145

*Other Variety Grown: Barchamuri, Naroi, Brridhan 28, Lakkhee Lota, BR-19, Gayal

Table 3.76: Area and Yield of Specific Rice Variety of Rajbari District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	88	42.84	3.22	0.101
Swarna (Indian)	56	18.20	2.97	0.120
Shishumoti	22	10.18	1.53	0.047
Other*	65	28.77	2.21	0.129
Total	231	100.00	2.72	0.071

*Other Variety Grown: Balam, Hizlee digha, Brridhan 32, Paizam, Kartik Shail, Brridhan 33, Brridhan 28, Digha, Brridhan 39, Bina-4, Rabot, Brridhan 30, Kali Zira, Bashiraj, Sonarbangla, Brridhan 41, Sahar Moni

Table 3.77: Area and Yield of Specific Rice Variety of Rajbari District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	123	78.93	5.41	0.110
Brridhan 28	37	12.47	5.09	0.203
Other*	24	8.60	4.23	0.266
Total	184	100.00	5.20	0.095

*Other Variety Grown: Taipe, BR-3/Biplob, BR-8/Asha, BR-14/Gazi, BR-2/Mala IRRI, IR-8, Porangi, Jagla, Deshi Boro, Mota Miniket (Indian), Topa Boro, Brridhan 36, Bowalil

Table 3.78: Area and Yield of Specific Rice Variety of Rajbari District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Porangi	33	90.09	1.42	0.070
Other*	11	9.91	1.79	0.251
Total	44	100.00	1.52	0.087

*Other Variety Grown: IR-50, Manik Muri, Begunbichi, Hasi Kalmi, Kabir Manik

Table 3.79: Area and Yield of Specific Rice Variety of Gopalganj District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	45	31.77	4.40	0.163
Joyna	12	11.84	1.72	0.234
Swarna (Indian)	22	9.31	4.67	0.175
Other*	74	47.08	2.18	0.141
Total	153	100.00	3.12	0.134

*Other Variety Grown: Kaladhan, Lal Digha, Sadagabura, Chikon, Shishumoti, Sadajabra, Brridhan 30, Pahari Jata, Brridhan 32, Zabra, Nazir Shail, BR-14/Gazi, Lakkhee Digha, Goura Kazal, Katari Bhog, Brridhan 33, Brridhan 29, BR-15/Mohinec, Paizam, Digha, Birkona/Pala, Debmoni, Shirbol, Callbridge, Nolaz

Table 3.80: Area and Yield of Specific Rice Variety of Gopalganj District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	113	51.83	7.18	0.112
Bhajan (Indian)	48	25.49	4.46	0.150
Hira (Hybrid)	37	12.90	7.67	0.249
Other*	42	9.78	5.42	0.319
Total	240	100.00	6.40	0.120

*Other Variety Grown: Brridhan 28, Jagoron (Hybrid), BR-16/Shahi Balam, BR-14/Gazi, BR-3/Biplob, Ratna (Indian), Iriton, Aftab, Pan Pata, Joyna, Boilian, Beto, Sileti Iri, BR-18, Palabir, Sadajabra

Table 3.81: Area and Yield of Specific Rice Variety of Gopalganj District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Harin Raja	10	26.35	2.15	0.076
Karchamuri	7	16.47	1.81	0.263
Porangi	5	10.28	2.21	0.146
Other*	12	46.90	2.93	0.430
Total	34	100.00	2.35	0.170

*Other Variety Grown: Brridhan 28, Shiyali Boran, Bahai, Brridhan 29, Chikon, Zabra, Lakkhee Lota, Naroi, Hira (Hybrid)

Table 3.82: Area and Yield of Specific Rice Variety of Madaripur District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Gabura	18	47.61	2.87	0.076
BR-11/Mukta	11	13.84	4.68	0.229
Chikon	8	11.05	1.93	0.189
Other*	17	27.50	2.58	0.293
Total	54	100.00	3.03	0.164

*Other Variety Grown: Lakkhee Digha, Hasidhan, Brridhan 30, BR-14/Gazi, Goura Kazal, Lal Digha, Anam, Digha, Chamara, Oliraj, Shailamotor

Table 3.83: Area and Yield of Specific Rice Variety of Madaripur District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	103	48.25	8.01	0.126
Bhajan (Indian)	50	17.91	7.12	0.220
Kazla	29	11.00	-	-
Brridhan 28	36	10.56	7.00	0.249
Other*	32	12.28	6.01	0.419
Total	250	100.00	7.36	0.115

*Other Variety Grown: BR-8/Asha, BR-14/Gazi, Kali Buro, BR-26/Shraboni, Billalaha, Ratna (Indian), Taipe, Kuishwari, Jagoron (Hybrid), Shahajala

Table 3.84: Area and Yield of Specific Rice Variety of Madaripur District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Patlai	2	43.86	2.77	.
Haitta	1	35.09	1.58	.
Tilbazal	1	10.53	0.99	.
Pathak	1	10.53	3.29	.
Total	5	100.00	2.16	0.529

Table 3.85: Area and Yield of Specific Rice Variety of Shariatpur District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Gorfa	20	11.76	1.56	0.130
Shabana	14	11.20	2.28	0.112
Gabura	16	7.22	1.57	0.160
Raja Shail	9	6.81	2.44	0.089
Nazir Shail	10	6.19	2.17	0.227
Deshi digha	14	5.99	1.39	0.073
Tepa Aman	8	3.64	2.12	0.253
Other*	81	47.19	2.51	0.129
Total	172	100.00	2.16	0.074

*Other Variety Grown: Paizam, Lakkhee Digha, Brridhan 32, Kala Digha, Pilpilais, BR-11/Mukta, Brridhan 39, Haitta, Kartik Shail, Brridhan 31, Modhu Shail, Kalikora, Nalcom, Khaia Motor, Putisail, Jinga Sail, Rahmat, Kalokora, Kanamadhari, BR-22/Kiron, Chikon, Tal Zota, Billalaha, Pan Kech, Azal Digha, BR-10, Kali Zira, Bajal, Kolbiz, Brridhan 33, Bosidhan, Kaktara, Lohachura, Chaolamagi, Lahaguocha

Table 3.86: Area and Yield of Specific Rice Variety of Shariatpur District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	148	37.34	7.66	0.091
Bhajan (Indian)	132	37.17	7.42	0.115
BR-8/Asha	30	12.11	5.88	0.243
IR-8	35	5.12	7.65	0.191
Other*	28	8.26	6.36	0.361
Total	373	100.00	7.36	0.070

*Other Variety Grown: Brridhan 28, Kazla, BR-16/Shahi Balam, Aloke, BR-11/Mukta, Shail, Kalikora, Choto Irii

Table 3.87: Area and Yield of Specific Rice Variety of Shariatpur District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Haitta	37	41.78	1.54	0.097
Bona Gambir	19	21.41	1.19	0.174
Naroi	12	10.88	1.73	0.178
Other*	34	25.93	2.33	0.204
Total	102	100.00	1.75	0.095

*Other Variety Grown: Matir Chak, Lakkhee Lota, BR-27, BR-26/Shraboni, BR-14/Gazi, Brridhan 32, Baro Mukhe, Brridhan 28, Khaia Motor, Monohor, Balam, Brridhan 33, Moi Dhan

Table 3.88: Area and Yield of Specific Rice Variety of Moulavibazar District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	128	54.71	3.98	0.075
Brridhan 32	45	8.88	3.58	0.127
Paizam	32	5.91	2.53	0.135
Swarna (Indian)	21	4.25	3.89	0.222
Birui	34	3.00	2.07	0.127
Balam	20	2.41	2.55	0.124
Other*	99	20.84	3.05	0.127
Total	379	100.00	3.32	0.059

*Other Variety Grown: Moyna Shail, BR-22/Kiron, Nazir Shail, Brridhan 30, Brridhan 41, Brridhan 39, Brridhan 40, Niha, BR-10, Kali Zira, Boron Dhan, BR-3/Biplob, BR-14/Gazi, Dhairol/Fairol, Brridhan 29, Kartik Shail, Aloke, BR-26/Shraboni, Brridhan 28, Aush-Amon Misro, BR-1/Chandina/Chaina, Bina-6, Katari Bhog, Monohor, Marich Shail, Loti Shail, Kajol Lota, Shuiyajara

Table 3.89: Area and Yield of Specific Rice Variety of Moulavibazar District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	55	39.72	5.23	0.159
BR-14/Gazi	25	27.74	4.09	0.181
Brridhan 28	55	26.92	4.24	0.164
Other*	17	5.62	3.70	0.348
Total	152	100.00	4.51	0.105

*Other Variety Grown: IR-50, BR-1/Chandina/Chaina, Dari Shail, Chengree, BR-19, Khaiya Boro, BRR1 Shail, BR-18, Gopalveri

Table 3.90: Area and Yield of Specific Rice Variety of Moulavibazar District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-1/Chandina/Chaina	69	36.46	3.27	0.091
BR-3/Biplob	31	11.73	3.86	0.151
Paddy-532	19	11.51	2.97	0.153
IR-50	23	8.25	3.12	0.142
BR-26/Shraboni	15	7.06	3.97	0.198
Chengree	13	6.58	1.20	0.098
Brridhan 28	15	4.89	3.80	0.155
BR-14/Gazi	13	4.84	4.08	0.314
Other*	24	8.69	2.82	0.193
Total	222	100	3.27	0.068

*Other Variety Grown: BR-19, Muralec, Brridhan 32, Dumai, Moiról, Brridhan 29, Maloti, Purbachi, Brridhan 39, Araila

Table 3.91: Area and Yield of Specific Rice Variety of Sylhet District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	220	32.50	4.45	0.064
Brridhan 32	88	8.00	3.60	0.142
Paizam	56	6.03	3.92	0.118
Moyna Shail	52	5.71	1.63	0.112
Lal Balam	16	3.16	3.28	0.044
Latma	23	3.01	1.74	0.054
Brridhan 28	31	2.77	4.51	0.120
Birui	41	2.54	2.12	0.147
Parichak	17	2.51	2.10	0.116
Nazir Shail	17	2.06	2.39	0.244
Lalmoni	15	2.05	2.32	0.198
Kali Zira	35	2.00	1.88	0.150
Bajal	14	1.93	1.54	0.279
Goria	17	1.83	2.42	0.096
BR-14/Gazi	14	1.58	4.35	0.271
Chan Moni	15	1.35	3.29	0.000
Brridhan 39	22	1.32	4.15	0.205
Brridhan 40	17	1.11	4.67	0.229
Other*	154	18.51	3.14	0.098
Total	864	100.00	3.43	0.050

*Other Variety Grown: Lalmota, Jali Aman/Baran/Chamara, Brridhan 34, Zari Shail, Baghdar, Lukee, Brridhan 31, Brridhan 41, Brridhan 30, Balam, Chinigura, Brridhan 29, BR-23/Disharee, Maloti, Companyshail, Gowrishail, Mogh Balam, Macrashail, BR-3/Biplob, IR-8, Tulsimala, Jadu, Indor Shail, Kali Buro, Kalamakhabi, BR-22/Kiron, Lakkhee Digha, Sona Digha, BR-19, BR-1/Chandina/Chaina, Taibe, Shail, Alooi, Anam, Dingamoni, Halgreemi, Kala Bakri, Brridhan 33, Moslam, Khurkuti, Gutak

Table 3.92: Area and Yield of Specific Rice Variety of Sylhet District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	165	55.52	5.35	0.088
Brridhan 28	128	23.54	4.92	0.108
Taibe	23	6.06	2.88	0.137
Khaiya Boro	26	4.65	2.57	0.109
Other*	56	10.23	4.91	0.235
Total	398	100.00	4.83	0.073

*Other Variety Grown: BR-14/Gazi, BR-19, Aynashail, BR-3/Biplob, BR-16/Shahi Balam, BR-26/Shraboni, Shail, Gochchha, Iriton, Tulsimala, Birni, Asamee, Hira (Hybrid)

Table 3.93: Area and Yield of Specific Rice Variety of Sylhet District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 28	72	24.37	4.21	0.126
BR-3/Biplob	93	24.01	3.56	0.175
Muralee	67	22.26	2.03	0.095
BR-1/Chandina/Chaina	37	6.89	3.56	0.174
BR-14/Gazi	30	5.04	3.98	0.328
BR-27	18	3.28	3.56	0.171
Other*	65	14.15	3.57	0.219
Total	382	100.00	3.42	0.079

*Other Variety Grown: BR-21, BR-19, Aoyjon, BR-26/Shraboni, Brridhan 29, Haitta, Paizam, Chengree, Aloke, Gaindha, BR-11/Mukta, Lukee, Birui, Bina-6, Gochchha, Brridhan 30, Brridhan 31, Loti Shail, Dumai, Companyshail

Table 3.94: Area and Yield of Specific Rice Variety of Habiganj District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	105	32.80	3.93	0.094
Paizam	51	11.83	3.22	0.105
BR-22/Kiron	42	8.60	3.58	0.131
Nazir Shail	29	6.09	2.85	0.161
Swarna (Indian)	27	5.66	3.83	0.154
Brridhan 29	12	5.45	3.52	0.297
Rahman	10	2.94	5.01	0.242
Fulkori	10	2.31	2.12	0.177
Brridhan 32	11	1.84	4.48	0.160
Other*	77	22.49	2.96	0.139
Total	374	100.00	3.51	0.057

*Other Variety Grown: Kali Zira, Binni/Kashia Binni, Boron Dhan, Dudsar, Brridhan 30, Lakhi, Brridhan 28, Indor Shail, BRR1 Shail, Nidhan, Loti Shail, Bona Aman, BR-3/Biplob, Khama, BR-14/Gazi, BR-23/Disharee, BR-19, Shail, Anam, BR-68, Brridhan 31, Balam, Bajal, Raj Vogue, Sonarbangla, Brridhan 41, Kazla, Brridhan 38, Brridhan 34, Kamal Vog, Baish Moni, Sugandi

Table 3.95: Area and Yield of Specific Rice Variety of Habiganj District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	201	59.79	5.25	0.092
Brridhan 28	103	14.39	4.93	0.104
BR-3/Biplob	21	7.59	6.45	0.112
BR-68	25	4.25	4.80	0.237
Hira (Hybrid)	16	2.38	8.60	0.220
Other*	60	11.59	4.74	0.203
Total	426	100.00	5.27	0.070

*Other Variety Grown: BR-16/Shahi Balam, BR-19, BR-50, Shahajalal, BR-2/Mala IRR1, BR-8/Asha, Binni/Kashia Binni, Jagoron (Hybrid), BR-14/Gazi, BR-9, Sonarbangla, BR-18, BR-11/Mukta, Brridhan 32, BR-1/Chandina/Chaina, Shail, Boron Dhan, IIEET

Table 3.96: Area and Yield of Specific Rice Variety of Habiganj District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-1/Chandina/Chaina	66	33.48	3.39	0.121
BR-50	37	18.52	3.12	0.147
Brridhan 28	26	17.40	4.14	0.156
Brridhan 32	14	8.62	4.30	0.151
IR-50	11	8.03	2.82	0.081
Other*	35	13.95	2.83	0.227
Total	189	100.00	3.38	0.078

*Other Variety Grown: BR-14/Gazi, BR-11/Mukta, Chengree, Pajjar, BR-8/Asha, Brridhan 29, BR-3/Biplob, BR-22/Kiron, BR-26/Shraboni, BR-2/Mala IRRI, Muralce, BR-18

Table 3.97: Area and Yield of Specific Rice Variety of Sunamganj District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	102	39.94	4.33	0.083
Paizam	34	6.58	3.94	0.185
Brridhan 32	14	5.79	4.29	0.222
Brridhan 29	20	5.54	4.12	0.281
Agunail	13	4.83	3.19	0.088
Boron Dhan	18	4.51	2.52	0.212
Birui	22	4.17	2.59	0.146
Hasem	14	3.80	3.04	0.105
Other*	121	24.82	3.09	0.106
Total	358	100.00	3.65	0.064

*Other Variety Grown: BR-10, Kali Zira, Parijat (Indian), Shiyali Boran, Balam, Chapillya, Aynashail, Binni/Kashia Binni, Sammahari, BR-19, Loti Shail, Brridhan 28, Swarna (Indian), Moyna Shail, Gaindhya, Gorla, Brridhan 40, BR-3/Biplob, BR-16/Shahi Balam, BR-14/Gazi, BR-22/Kiron, BR-23/Disharce, Gorfa, Chengree, Shail, Sarsaria, Dhalee Chikon Dhan, Begunbichi, Raj Voguc, Brridhan 33, Lal Pajjam, Zira Shail, Hira (Hybrid), Brridhan 41, Patishail, Bahurimota, Baish Moni, Solkuri, Dotala, Manberi

Table 3.98: Area and Yield of Specific Rice Variety of Sunamganj District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	184	49.98	5.19	0.076
BR-19	61	15.67	4.19	0.088
Brridhan 28	76	11.39	4.76	0.122
Topa Boro	28	5.70	3.41	0.129
Aynashail	13	2.45	3.41	0.171
Other*	108	14.80	3.77	0.179
Total	470	100.00	4.53	0.062

*Other Variety Grown: Mongal, Khaiya Boro, Bitla, Hira (Hybrid), Boron Dhan, BR-14/Gazi, Borsalee, Gaindhya, Ratul, Dotala, Agunail, BR-3/Biplob, BR-11/Mukta, BR-2/Mala IRRI, Paizam, Ratna (Indian), Deshi Boro, Agla Shail, Balam, Asamee, IR-8, Chikon, Jagla, Ashinec, Shail, Bina-6, Gochchha, Jagoron (Hybrid), Surma IRRI, BRRi Shail, Kali Buro, BR-17

Table 3.99: Area and Yield of Specific Rice Variety of Sunamganj District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-19	9	23.64	2.81	0.172
Paizam	3	15.36	3.07	0.018
BR-3/Biplob	11	13.48	4.23	0.125
Vushi Hara	6	13.32	2.15	0.144
Brridhan 28	5	10.41	3.77	0.393
Other*	14	23.79	3.46	0.314
Total	48	100.00	3.35	0.141

*Other Variety Grown: BR-1/Chandina/Chaina, Brridhan 29, BR-26/Shraboni, Dhairol/Fairol, 76 no. Dhan, Kali Zira, Mongal, Paijar, Bikram

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Table 3.100: Area and Yield of Specific Rice Variety of Bagerhat District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Sada Mota	105	27.94	2.04	0.074
BR-11/Mukta	98	12.24	4.04	0.108
BR-23/Disharee	56	10.15	3.28	0.139
Lalmota	55	9.14	2.46	0.066
Jamaibabu	24	5.86	2.04	0.040
Balam	45	4.23	1.54	0.112
Nonakhiricha	19	3.24	2.06	0.195
Chik Shail	19	3.09	2.01	0.137
Bhajan (Indian)	24	3.09	3.09	0.158
Mondhashor	16	2.70	2.44	0.120
BR-22/Kiron	31	2.13	4.05	0.206
Moynamoti	21	1.51	2.85	0.108
Other*	154	14.68	2.80	0.088

*Other Variety Grown: Raja Shail, Mondhashor, Maloti, Brridhan 33, Paizam, Joyna, Dudsar, Kachra, Zabra, Brridhan 41, Brridhan 39, Brridhan 32, Swarna (Indian), Dopa, Chengree, Taipe, Bashful, Khirkunni, BR-14/Gazi, Brridhan 28, Digha, Mota Dhan, Raj Vogue, Brridhan 40, Lal Balam, Naspoti, BR-26/Shraboni, BR-2 /Mala IRRI, Kala Manik, Nazir Shail, Kuri Agrahonec, BR-10, Kali Zira, Moynatiya, Kala Shail, Shempura Aman, Sundarlata, Baspar

Table 3.101: Area and Yield of Specific Rice Variety of Bagerhat District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 28	81	46.14	5.08	0.162
Bhajan (Indian)	28	15.46	3.93	0.280
Hira (Hybrid)	35	15.34	7.17	0.258
Brridhan 29	17	6.10	6.27	0.302
Sileti Iri	11	4.20	2.86	0.161
Other*	28	12.76	5.29	0.518
Total	200	100.00	5.30	0.139

*Other Variety Grown: Jagoron (Hybrid), Akther, Aloron, BR-14/Gazi, Joya (Indian), BR-2/Mala IRRI, Sonargira, Ratna (Indian), Sada Mota, Nayanmoni (Indian), Brridhan 33, Lalmota, Kajol Lota, IEET, Brridhan 36, Rice R, G, S-1, Dular

Table 3.102: Area and Yield of Specific Rice Variety of Bagerhat District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-2/Mala IRRI	24	42.39	4.91	0.298
Bhajan (Indian)	16	20.49	4.03	0.183
Ratul	17	16.01	2.24	0.160
BR-14/Gazi	6	5.41	3.70	0.398
Other*	23	15.69	3.22	0.317
Total	86	100.00	3.64	0.165

*Other Variety Grown: BR-26/Shraboni, Brridhan 28, Kala Manik, Brridhan 33, Sribalam, Brridhan 29, Joya (Indian), Aush-Amon Misro, Digha, Kumari, Jagoron (Hybrid)

Table 3.103: Area and Yield of Specific Rice Variety of Meherpur District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	85	38.75	3.11	0.106
Swarna (Indian)	83	30.10	3.47	0.123
Murkeemala	14	6.01	2.06	0.077
Bastan	12	5.92	1.96	0.127
Other*	56	19.22	2.88	0.167
Total	250	100.00	3.07	0.071

*Other Variety Grown: Shail Kaila, Brridhan 30, IEET, Brridhan 33, Eyeret, Brridhan 28, BR-10, Gutak, Bagtulshi, Nayanmoni (Indian), Kocho, Gochchha, Brridhan 40, BR-23 /Disharee, Shail, Gorla, Kachra, Bona Aman, Brridhan 41, Brridhan 39, Hasi Kalmi, Moirul, Khirkunni

Table 3.104: Area and Yield of Specific Rice Variety of Meherpur District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 28	64	28.15	5.77	0.092
IEET	38	18.90	6.14	0.159
Brridhan 36	21	15.02	5.50	0.134
Eyeret	22	8.72	5.69	0.168
Brridhan 29	16	8.08	7.64	0.360
Brridhan 40	10	5.94	6.11	0.447
Other*	31	15.19	5.80	0.208
Total	202	100.00	5.98	0.076

*Other Variety Grown: Nayanmoni (Indian), BR-26/Shraboni, Hira (Hybrid), Sufala, Mota Miniket (Indian), BR-1/Chandina/Chaina, IR-50, Jeshoree, Brridhan 33, Sonarbangla, Jagoron (Hybrid), Bulet

Table 3.105: Area and Yield of Specific Rice Variety of Meherpur District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-1/Chandina/Chaina	15	36.75	3.55	0.209
Jota Aus	12	33.54	2.86	0.080
IEET	7	9.55	3.46	0.334
Other*	12	20.16	3.49	0.414
Total	46	100.00	3.35	0.136

*Other Variety Grown: Brridhan 28, Brridhan 33, Hira (Hybrid), Nayanmoni (Indian), Jali Aus, Eyeret

Table 3.106: Area and Yield of Specific Rice Variety of Magura District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	114	42.34	3.52	0.102
Swarna (Indian)	102	31.56	3.54	0.108
Gochchha	18	7.44	2.24	0.235
Shishumoti	14	2.78	2.04	0.215
Other*	76	15.88	3.20	0.132
Total	324	100.00	3.32	0.065

*Other Variety Grown: Ratna (Indian), Dopa, G,S-1, BR-10, Brridhan 33, Brridhan 41, Brridhan 39, Brridhan 30, BR-23/Disharee, Depur. Paizam, Nayanmoni (Indian), Brridhan 31, Jhaura, Chini Atob, Eide, Brridhan 29, Zabra, Goura Kazal, BR-4, Moynamoti, Jali Aus, Bashi Raj, Khilnoail, Hida

Table 3.107: Area and Yield of Specific Rice Variety of Magura District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	37	14.06	6.49	0.225
Brridhan 28	41	10.34	5.41	0.133
Ratna (Indian)	97	51.74	5.18	0.097
Nayanmoni (Indian)	29	7.80	4.75	0.224
Moynamoti	11	5.34	4.23	-
Other*	33	10.72	5.10	0.357
Total	248	100.00	5.37	0.082

*Other Variety Grown: G,S-I, Mota Miniket (Indian), Hira (Hybrid), Iriton, CS-25, Brridhan 33, Swarna (Indian), Gigaj, Brridhan 36, Bina-4, Gotbas

Table 3.108: Area and Yield of Specific Rice Variety of Magura District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Porangi	24	46.35	1.63	0.094
Ratna (Indian)	20	17.78	2.90	0.213
G,S-1	14	15.38	2.82	0.260
Other*	24	20.49	2.90	0.215
Total	82	100.00	2.47	0.119

*Other Variety Grown: Nayanmoni (Indian), Brridhan 29, Naroi, Brridhan 28, Choto Mallik, Shalik, Chikon, Kalomegi, Phankhiraj, Gumbir, Bagtulshi

Table 3.109: Area and Yield of Specific Rice Variety of Narial District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	98	26.08	3.98	0.077
Zabra	59	21.04	1.79	0.086
Swarna (Indian)	87	21.99	4.11	0.084
Dopa	21	4.22	1.87	0.165
Monohor	13	3.79	2.15	0.228
Shishumoti	14	2.81	1.45	0.102
Other*	82	20.06	2.70	0.160
Total	374	100.00	3.12	0.071

*Other Variety Grown: Gochchha, Ratna (Indian), Digha, Hira (Hybrid), Joyna, Brridhan 30, G,S-1, Balam, Brridhan 33, Khaia Motor, Lal Pajam, Goyramuri, Brridhan 39, Tepa Aman, Tarab Ali, Kaladhama, Rajamoral, Masrangha, Joya (Indian), BR-23/Disharee, Brridhan 28, Paizam, Goura Kazal, Manik Digha, Katri Bhog, Nazir Shail, Naroi, Nayanmoni (Indian), BR-10, Kachra, Chapillya, Beto, Royati, Shabana, Zira Shail, Brridhan 41, Haldabata

Table 3.110: Area and Yield of Specific Rice Variety of Narial District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	68	22.31	7.09	0.154
Brridhan 28	86	28.99	5.76	0.108
Ratna (Indian)	64	17.11	4.77	0.146
Hira (Hybrid)	55	15.57	7.50	0.159
G,S-1	24	4.83	3.26	0.649
Other*	40	11.18	5.66	0.350
Total	337	100.00	6.12	0.092

*Other Variety Grown: BR-3/Biplob, Brridhan 33, CM, Bina-6, Moynamoti, Jagoron (Hybrid), Shabana, Deshi Boro, Nayanmoni (Indian), Gochchha, Jikin Debi/Deshi Kolom, Kalom, Sonarbangla, Birkona/Pala, Asakumra, Tarab Ali, Mohish Kandi

Table 3.111: Area and Yield of Specific Rice Variety of Narial District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Porangi	22	30.06	1.19	0.051
Ratna (Indian)	26	28.90	2.98	0.203
Royati	16	23.65	1.94	0.162
Other*	21	17.40	2.51	0.334
Total	85	100.00	2.18	0.130

*Other Variety Grown: Haitta, Naroi, Brridhan 28, Jagla, CM, G,S-1, Shabana, Sribalam, Buroلامي

Table 3.112: Area and Yield of Specific Rice Variety of Jessore District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Swarna (Indian)	295	38.70	3.98	0.054
BR-11/Mukta	166	18.27	4.01	0.074
Brridhan 30	132	15.30	3.90	0.066
BR-10	134	13.62	3.83	0.083
BR-23/Disharee	28	2.29	3.44	0.184
Other*	137	11.82	2.82	0.104
Total	892	100.00	3.77	0.035

*Other Variety Grown: Brridhan 33, Kaittal, Birkona/Pala, Zabra, Balam, Sonalee, Gochchha, Monohor, Brridhan 41, Monon, Jalkumari, Zari Shail, G,S-1, Mota Miniket (Indian), IT, Brridhan 39, Vaital, BR-22/Kiron, Brridhan 28, Brridhan 32, Ratna (Indian), Baku Dhan, Brridhan 31, Moynamoti, Kajol Lota, Khirkunni, Dhairol/Fairol, Paizam, Digha, Nayanmoni (Indian), Shail Kaila, Dopa, Amanchalla, Kolom Debi/Deshi Kolom, Chamara, Kutimoni, Jamaibabu, Harhari, Urikabra, Mukh Kalali

Table 3.113: Area and Yield of Specific Rice Variety of Jessore District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 28	263	31.85	5.25	0.066
Ratna (Indian)	203	25.70	5.09	0.071
Mota Miniket (Indian)	100	9.41	5.34	0.114
Kajol Lota	68	6.15	5.64	0.301
G,S-1	58	5.90	2.72	1.113
Hira (Hybrid)	39	4.33	7.42	0.322
Nayanmoni (Indian)	41	4.09	5.11	0.137
Brridhan 29	41	3.03	6.37	0.165
BR-26/Shraboni	29	2.57	5.46	0.203
Other*	81	6.99	4.84	0.210
Total	923	100.00	5.31	0.047

*Other Variety Grown: Joya (Indian), Shabana, IR-50, Jamaibabu, Moynamoti, Goura Kazal, Swarna (Indian), BR-50, Boro Baish, Aftab, Brridhan 33, BRR I Shail, BR-14/Gazi, Katoktara, Jasoa, Gorla, Brridhan 30, Bharosa, Sonarbangla, Jagoron (Hybrid), Surjamani, Bulet

Table 3.114: Area and Yield of Specific Rice Variety of Jessore District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 28	67	26.95	3.97	0.118
Ratna (Indian)	60	17.81	3.40	0.097
G,S-1	28	10.70	2.32	0.368
Kajol Lota	23	6.84	2.89	0.080
Joya (Indian)	12	3.30	4.54	0.178
BR-26/Shraboni	11	3.28	3.87	0.368
Jamaibabu	10	2.66	2.94	0.218
Mota Miniket (Indian)	11	2.39	3.06	0.337
Other*	65	26.07	3.75	0.144
Total	287	100.00	3.64	0.064

*Other Variety Grown: IR-50, Nayanmoni (Indian), Brridhan 33, Goura Kazal, Moynamoti, Swarna (Indian), Purbachi, Boro Baish, Katoktara, IEET, Brridhan 29, Haitta, Gorla, Shail Kaila, Bharosa, Bota Dhan, Jota Aus, Asamee, BRR I Shail, Brridhan 40, Hira (Hybrid), Rajamoral, Surjamani, Shalik

Table 3.115: Area and Yield of Specific Rice Variety of Khulna District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-23/Disharee	89	24.71	3.86	0.067
Brridhan 30	90	21.71	3.93	0.064
BR-11/Mukta	106	19.09	3.78	0.050
BR-10	36	8.24	3.70	0.116
Jota Aus	17	4.05	3.02	0.116
Brridhan 41	29	3.70	4.06	0.135
Balam	26	2.65	2.38	0.083
Other*	125	15.85	2.83	0.069
Total	518	100.00	3.54	0.036

*Other Variety Grown: BR-22/Kiron, Marich Shail, Bashmati, Moynamoti, Swarna (Indian), Jalkumari, Brridhan 40, Zoal, Paizam, Kumirgar, Gorfa, Shail, Folana, Chapillya, Chinigura, Brridhan 33, Brridhan 28, Brridhan 32, Bhajan (Indian), Ratna (Indian), Anam, Kocho, Monohor, Mariom, Kachra, Bashful, Raj Voguc, CM, Chini Atob, Brridhan 39, Hasi Kalmi, Patishail, Lal Balam, Daud Bajal, G,S-I, Kumra Garuai, Sattar Vog, Jalkaydha, Jumur, Benapol, Khunchi, Vole Selut, Patlai, Munsir Irri

Table 3.116: Area and Yield of Specific Rice Variety of Khulna District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 28	158	73.93	4.89	0.069
Brridhan 29	31	11.69	6.29	0.307
Hira (Hybrid)	16	4.53	6.81	0.433
Other*	42	9.85	4.11	0.224
Total	247	100.00	5.06	0.090

*Other Variety Grown: Sileti Iri, Ratna (Indian), Brridhan 36, Nayanmoni (Indian), Bhajan (Indian), IR-50, BR-10, Jagoron (Hybrid), Brridhan 41, Aynashail, Kli Buro

Table 3.117: Area and Yield of Specific Rice Variety of Khulna District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 28	14	48.97	3.55	0.274
Nayanmoni (Indian)	5	22.48	3.88	0.573
Other*	4	28.55	3.29	0.441
Total	23	100.00	3.58	0.215

*Other Variety Grown: Lakkhee Lota, Aush-Amon Misro, Bina-6, Brridhan 33

Table 3.118: Area and Yield of Specific Rice Variety of Chuadanga District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Swarna (Indian)	171	50.59	3.78	0.092
BR-11/Mukta	117	32.39	3.61	0.102
BR-10	18	5.09	3.79	0.254
Other*	57	11.93	2.86	0.138
Total	363	100.00	3.59	0.062

*Other Variety Grown: Brridhan 39, Gotbas, Shail Kaila, Brridhan 30, Brridhan 32, Raj Voguc, Brridhan 33, BR-23/Disharee, Kachra, Murkeemala, Hira (Hybrid), BR-22/Kiron, Joya (Indian), BR-26/Shraboni, Rayenda, Kala Digha, Kocho, Purbachi, Beto, Malbuk, Sonarbangla, Brridhan 36, Kalarthor, Kargil, Bagtulshi, Royakhali

Table 3.119: Area and Yield of Specific Rice Variety of Chuadanga District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 28	141	50.59	5.51	0.079
Brridhan 29	29	11.65	6.84	0.289
Gotbas	25	10.25	3.14	-
Ratna (Indian)	29	9.03	5.53	0.116
Nayanmoni (Indian)	18	3.92	5.73	0.129
Other*	49	14.56	5.82	0.248
Total	291	100.00	5.72	0.072

*Other Variety Grown: Hidir, Kargil, Mota Miniket (Indian), Hira (Hybrid), Brridhan 40, Swarna (Indian), IEET, BR-16/Shahi Balam, BR-26/Shraboni, Purbachi, Brridhan 33, Lakkhee Digha, CM, Kajol Lota, Guda

Table 3.120: Area and Yield of Specific Rice Variety of Chuadanga District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Nayanmoni (Indian)	16	16.67	3.33	0.253
Swarna (Indian)	10	15.98	2.51	0.235
Gotbas	6	11.47	-	-
Ratna (Indian)	8	7.44	2.70	0.385
Kargil	7	6.93	2.27	0.164
Brridhan 28	7	4.21	3.28	0.308
Aush-Amon Misro	6	3.43	2.51	0.183
Other*	25	33.89	3.38	0.281
Total	85	100.00	3.02	0.130

*Other Variety Grown: Hizlee digha, Purbachi, Bagtulshi, BR-14/Gazi, BR-26/Shraboni, Pan Pata, Brridhan 29, Fulkori, Fulbadam, Hidir, Brridhan 30, Brridhan 33, Sonarbangla, Aftab

Table 3.121: Area and Yield of Specific Rice Variety of Satkhira District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-10	95	29.75	3.91	0.065
Brridhan 30	81	23.43	3.84	0.061
BR-11/Mukta	73	14.30	4.07	0.075
Swarna (Indian)	48	9.00	3.74	0.123
Jamaibabu	28	5.62	2.69	0.166
Other*	101	17.89	3.68	0.097
Total	426	100.00	3.84	0.038

*Other Variety Grown: BR-23/Disharee, BR-22/Kiron, Brridhan 28, Brridhan 41, Paizam, Balam, Bota Dhan, Purbachi, Brridhan 33, IEET, Brridhan 39, Joya (Indian), Mota Miniket (Indian), CM, Gothara, Brridhan 29, Brridhan 32, Dopa, Brridhan 40, Chan Moni, Khirkunni, Patnai, Basa bigi dhan

Table 3.122: Area and Yield of Specific Rice Variety of Satkhira District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 28	138	59.20	5.33	0.066
Jamaibabu	29	15.98	4.00	0.214
IEET	16	6.46	4.80	0.247
Brridhan 29	20	6.28	5.76	0.283
Purbachi	21	4.54	4.80	0.177
Other*	27	7.54	5.59	0.354
Total	251	100.00	5.26	0.068

*Other Variety Grown: Joya (Indian), Mota Miniket (Indian), Gothara, Iriton, Jagoron (Hybrid), Brridhan 36, BR-26/Shraboni, BR-1/Chandina/Chaina, Swarna (Indian), CM, Hira (Hybrid)

Table 3.123: Area and Yield of Specific Rice Variety of Satkhira District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Purbachi	14	61.28	3.65	0.236
Brridhan 28	9	34.04	4.53	0.261
BR-18	1	4.68	4.19	-
Total	24	100.00	4.00	0.187

Table 3.124: Area and Yield of Specific Rice Variety of Kustia District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	132	40.26	3.64	0.082
Swarna (Indian)	151	30.35	3.56	0.088
Brridhan 30	10	3.37	3.21	0.385
Shil Komol	11	2.84	2.11	0.171
Shishumoti	20	2.84	1.91	0.150
Brridhan 39	17	2.58	3.51	0.226
Brridhan 33	10	1.97	3.37	0.340
Piprarladh	11	1.50	1.84	0.213
Raj Vogue	21	1.03	1.70	0.097
Other*	85	13.26	2.72	0.126
Total	468	100.00	3.19	0.055

*Other Variety Grown: BR-26/Shraboni, BR-23/Disharce, Brridhan 32, IR-50, Brridhan 41, Khaia Motor, Mota Miniket (Indian), Bina-4, Balenga, Digha, BR-10, Dakali, BR-22/Kiron, Bashiraj, Brridhan 40, Gada Banga, Brridhan 28, Zabra, Kali Zira, Maloti, Jhaura, Patishail, Kumra Garuui, Kalamakhabi

Table 3.125: Area and Yield of Specific Rice Variety of Kustia District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	85	39.41	6.03	0.148
Brridhan 28	66	31.41	5.25	0.120
Kalingha	37	14.78	4.80	0.141
IR-50	15	3.02	4.81	0.326
Other*	49	11.38	5.27	0.209
Total	252	100.00	5.43	0.082
Brridhan 29	85	39.41	6.03	0.148

*Other Variety Grown: Ratna (Indian), BR-26/Shraboni, Iriton, Nayanmoni (Indian), Brridhan 40, BR-3/Biplob, Joya (Indian), BR-1/Chandina/Chaina, Swarna (Indian), Brridhan 33, IEET, Dumai, BR-14/Gazi, Bina-6, Jadu, Mota Miniket (Indian), Piprarladh

Table 3.126: Area and Yield of Specific Rice Variety of Kustia District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Kali Aus	36	34.55	1.70	0.122
IR-50	40	24.37	3.64	0.142
Hasi Kalmi	23	13.11	1.66	0.120
Kala Bakri	21	9.22	1.71	0.148
Other*	40	18.75	2.75	0.199
Total	160	100.00	2.46	0.098

*Other Variety Grown: BR-26/Shraboni, Moyna Shail, Kutimoni, Nayanmoni (Indian), BR-14/Gazi, Sada Aus, Brridhan 33, BR-1/Chandina/Chaina, Brridhan 28, Brridhan 40, Lal Digha, Mota Miniket (Indian), Brridhan 29, Jota Aus, Haldabata

Table 3.127: Area and Yield of Specific Rice Variety of Jhenaida District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Swarna (Indian)	219	64.05	3.86	0.077
BR-11/Mukta	94	18.80	3.92	0.121
Brridhan 33	17	2.29	4.58	0.363
Other*	85	14.86	3.44	0.149
Total	415	100.00	3.84	0.060

*Other Variety Grown: BR-10, BR-23/Disharee, Ratna (Indian), IEET, Brridhan 39, Kargil, G,S-1, Brridhan 30, Kalarthor, Sona Digha, IR-50, Shail, Nayanmoni (Indian), Nagpechi, Brridhan 40, BR-22/Kiron, BR-26/Shraboni, Paizam, Fulkori, Tetulla, Gurun, Monohor, Balam, Kolom Debi/Deshi Kolom, Lal Dhan, BR-1/Beri, Brridhan 41, Jali Aus, Nagra, Kaligaj, Dhan 79

Table 3.128: Area and Yield of Specific Rice Variety of Jhenaida District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Ratna (Indian)	126	36.26	5.37	0.077
Mota Miniket (Indian)	60	27.29	5.01	0.139
Brridhan 28	80	10.65	5.66	0.060
G,S-1	29	9.71	-	-
Other*	90	16.09	6.01	0.197
Total	385	100.00	5.51	0.060

*Other Variety Grown: Brridhan 29, Kargil, Brridhan 33, Nayanmoni (Indian), IEET, Hira (Hybrid), IR-50, Swarna (Indian), Kajol Lota, BR-26/Shraboni, Brridhan 40, Sonarbangla, Gutak, BR-1/Chandina/Chaina, Kolom Debi/Deshi Kolom, BR-50, Brridhan 39, Kalarthor, Raicha

Table 3.129: Area and Yield of Specific Rice Variety of Jhenaida District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Ratna (Indian)	10	18.98	3.58	0.155
Kutimoni	7	9.71	2.25	0.126
IR-50	6	8.07	3.94	0.501
Naroi	5	6.64	1.65	0.156
Other*	34	56.60	2.96	0.303

*Other Variety Grown: Brridhan 28, Kala Bakri, Dudraj, Porangi, Nayanmoni (Indian), Kargil, BR-26/Shraboni, Brridhan 33, Raicha, Sona Digha, BR-1/chandina/Chaina, Swarna (Indian), Kajol Lota, G,S-1, Gumbir, Bagtulshi

BARISAL DIVISION

Table 3.130: Area and Yield of Specific Rice Variety of Barisal District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Vushi Hara	70	9.38	2.47	0.038
Chikon	76	8.70	2.40	0.064
BR-11/Mukta	96	7.09	3.70	0.101
Mota Mota	43	6.95	2.29	0.049
Sada Mota	50	6.27	2.58	0.073
Mota Dhan	29	4.92	2.31	0.131
Raja Shail	48	4.37	2.28	0.060
BR-22/Kiron	41	4.19	2.88	0.126
Dudmanor	35	4.04	2.35	0.100
Brridhan 32	44	3.51	3.48	0.125
BR-23/Disharee	30	3.01	3.43	0.181
Dudsar	28	2.88	2.38	0.058
Kuri Agrahonee	23	2.66	2.49	0.102
Paizam	40	2.23	3.17	0.114
Joyna	20	2.19	2.65	0.081
Jafar	19	1.67	2.64	0.081
Brridhan 40	19	1.42	3.94	0.160
Sakchor Khora	21	0.98	2.18	0.098
Kali Zira	22	0.81	2.09	0.135
Other*	219	22.73	2.50	0.045
Total	973	100.00	2.71	0.026

*Other Variety Grown: Chaolamagi, Kauyatuthi, Kala Shail, Mowlata, Luturi, Loha Dang, Brridhan 39, Khaia Motor, Taipe, Gabura, Kalikora, Kala Manik, Brridhan 41, Kumra Garuai, Kelendar Mota, Chik Shail, Brridhan 30, Brridhan 31, Sail Grimi, Dol Kachua, Digha, Boware, Lotar Mota, BR-3/Biplob, Khama, Kartik Shail, Lukec, Dasbiruinc, Matir Chak, BR-1/Chandina/Chaina, Nakhuchi, Tetulla, Gochehha, BR-4, Bashiraj, Chinigura, Malbuk, Brridhan 33, Chalaki, Kazla, Bashmati, Kalokora, Kanamadhari, BR-5, Girbi, Ranajit, Khayer Manor, Chengai, Amidikhan, Pahari Jata, Nalcom, Lalmota

Table 3.131: Area and Yield of Specific Rice Variety of Barisal District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Bhajan (Indian)	123	43.74	5.38	0.086
Brridhan 29	107	24.11	6.27	0.143
Kazla	61	23.45	3.88	0.112
Brridhan 28	21	1.89	5.58	0.344
Other*	43	6.81	5.32	0.266
Total	355	100.00	5.60	0.081

*Other Variety Grown: IR-8, Alope, BR-14/Gazi, BR-8/Asha, BR-3/Biplob, BR-1/Chandina/Chaina, Bina-6, Sakchor Khora, Brridhan 40, BR-26/Shraboni, BR-2/Mala IRR1, Aush-Amon Misro, Hira (Hybrid)

Table 3.132: Area and Yield of Specific Rice Variety of Barisal District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-2/Mala IRRI	57	34.79	2.98	0.093
Haitta	45	18.30	2.41	0.081
Kali Buro	27	12.66	2.28	0.081
Manik Muri	20	10.55	1.85	0.086
Vhenamuri	18	5.29	2.53	0.089
Mohislam	16	3.14	2.26	0.088
Other*	53	15.26	2.55	0.102
Total	236	100.00	2.52	0.043

*Other Variety Grown: Munsur, BR-27, Chengree, Matir Chak, Kanchon Mogi, Merry, Katoktara, BR-11/Mukta, Brridhan 28, Bhajan (Indian), Monon, Kazla, Batershar, Benamuri

Table 3.133: Area and Yield of Specific Rice Variety of Jhalokati District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Sada Mota	61	17.81	2.15	0.081
Mota Dhan	45	17.34	2.42	0.157
Kamlamota	33	10.62	2.38	0.085
Chikon	54	8.61	2.40	0.067
Mowlata	47	7.77	2.67	0.077
Paizam	48	6.14	3.82	0.093
Dudsar	33	5.65	2.46	0.143
BR-11/Mukta	48	4.79	4.87	0.151
Lal Digha	18	3.46	1.91	0.069
Kali Zira	23	1.56	2.50	0.092
Other*	128	16.26	3.43	0.134
Total	538	100.00	3.04	0.058

*Other Variety Grown: Sakkhor Khora, Brridhan 32, Brridhan 41, BR-23/Disharce, Brridhan 30, Brridhan 31, Raja Shail, Mota Mota, Khuchimakhi, Lalmota, Brridhan 40, BR-8, /Asha, Joyna, BR-22/Kiron, Shail, Nazir Shail, Brridhan 33, Naldigha, Khilnoail, Chingri, Piparladh, Kauyatuthi

Table 3.134: Area and Yield of Specific Rice Variety of Jhalokati District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Bhajan (Indian)	62	46.99	5.70	0.174
Brridhan 29	74	30.60	6.73	0.134
Brridhan 28	45	19.14	4.98	0.169
Other*	10	3.28	4.47	0.232
Total	191	100.00	5.86	0.103

*Other Variety Grown: BR-2/Mala IRRI, BR-14/Gazi

Table 3.135: Area and Yield of Specific Rice Variety of Jhalokati District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Haitta	64	22.46	2.19	0.086
Hasi Kalmi	24	14.91	1.85	0.114
Mowmor	14	14.87	1.65	0.145
Mala Shail	24	11.34	4.76	0.164
BR-2/Mala IRR	37	10.84	3.70	0.124
BR-27	43	10.68	4.46	0.111
BAU – 63	14	5.10	3.21	0.155
Other*	50	9.80	4.09	0.100
Total	270	100.00	3.34	0.079

*Other Variety Grown: Brridhan 29, BR-14/Gazi, BR-26/Shraboni, Hira (Hybrid), BR-8/Asha, Bhajan (Indian), Shornpari, Maniktara

Table 3.136: Area and Yield of Specific Rice Variety of Bhola District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 32	81	11.12	3.45	0.088
BR-22/Kiron	80	10.70	3.10	0.071
Maloti	69	8.59	2.16	0.062
Chapillya	51	7.65	2.31	0.066
BR-11/Mukta	45	4.62	3.49	0.065
Kutimoni	35	4.01	2.36	0.074
Mota Dhan	19	3.72	2.46	0.098
Kartik Shail	27	2.73	2.17	0.108
Kuri Agrahonee	21	2.43	2.47	0.082
BR-23/Disharee	24	2.40	3.01	0.143
Raja Shail	20	1.95	1.85	0.131
Kali Zira	21	1.20	1.97	0.120
Other*	298	38.87	2.54	0.051
Total	791	100.00	2.66	0.030

*Other Variety Grown: Brridhan 40, Brridhan 41, Sada Mota, Brridhan 39, Brridhan 30, Isagura, Bhajan (Indian), Mota Mota, Gigaj, Brridhan 31, Chikon, Zabra, Chaolamagi, Sakchor Khora, Khaiya Boro, Chaprash, Boware, Haitta, BR-3/Biplob, Chengree, Paizam, BR-1/Chandina/Chaina, Lohatung, BR-4, BR-10, Indor Shail, Balaka, Enda, Chinigura, IEET, Bosidhan, Chalaki, Birkona/Pala, Lohachura, Kumra Garuai, Ranger Gura, Gorabai

Table 3.137: Area and Yield of Specific Rice Variety of Bhola District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Bhajan (Indian)	98	41.70	6.30	0.114
Belombori	51	18.25	2.47	-
Iriton	38	11.78	5.50	0.176
Kajol Lota	21	8.99	-	-
Brridhan 29	28	8.86	6.49	0.164
Brridhan 28	20	5.64	4.96	0.187
Other	12	4.78	2.80	0.584
Total	268	100.00	5.83	0.101

*Other Variety Grown: Kelendar Mota, Paizam, Brridhan 32, Matir Chak, BR-1/Chandina/Chaina, Maloti, Kutimoni, Jamaibabu, Kala Shail, Chaprash, Isagura

Table 3.138: Area and Yield of Specific Rice Variety of Bhola District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Haitta	143	56.70	2.09	0.033
Kelendar Mota	19	5.50	2.06	0.090
Bhajan (Indian)	16	3.71	3.94	0.144
BR-27	14	3.14	3.86	0.245
BR-26/Shraboni	12	2.33	3.21	0.136
Other	84	28.62	2.95	0.087
Total	288	100.00	2.57	0.050

*Other Variety Grown: Botal Irri, Jalkumari, BR-14/Gazi, BR-1/Chandina/Chaina, BR-21, Brridhan 28, Matir Chak, Brridhan 29, Kala Shail, Kalimatiya, Tufan Irri, Iriton, Naroi, 76 no. Dhan, Tipushail, BR-3/Biplob, Baku Dhan, Chini Atob, Belombori, Saital, Bowarc

Table 3.139: Area and Yield of Specific Rice Variety of Pirojpur District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	41	2.41	4.41	0.136
Chikon	29	2.45	2.17	0.121
Joyna	42	9.34	2.10	0.077
Bhajan (Indian)	20	1.77	4.01	0.151
Anam	17	6.62	2.62	0.119
Dudsar	39	3.04	2.50	0.086
Sada Mota	123	24.21	2.25	0.057
Brridhan 31	18	1.03	5.01	0.192
Bashful	18	1.82	2.70	0.120
Brridhan 33	26	1.56	4.59	0.143
Lalmota	88	17.57	2.22	0.077
Mondhashor	21	2.31	2.20	0.153
Kamlamota	22	6.69	2.83	0.087
Bawn Khair	20	3.79	2.38	0.066
Other*	180	15.39	2.89	0.083
Total	704	100.00	2.83	0.044

*Other Variety Grown: BR-12, BR-22/Kiron, Mota Dhan, Brridhan 40, Paizam, Sakkhor Khora, Lakkhmi Kazal, Kajol Lota, Lal Digha, Hugli, BR-23/Disharee, Brridhan 41, Brridhan 39, Kartik Shail, Nakhuchi, Moynamoti, Brridhan 32, Balam, Kali Zira, Khaia Motor, Mota Mota, Maloti, Mowlata, Chengree, Nazir Shail, Bajal, Naspati, Sagar Fona, Piprarladh, Brridhan 29, Haitta, Joya (Indian), Fulbadam, Dol Kachua, Swarna (Indian), Brridhan 30, Polajol, Brridhan 34, Kali Buro, Abdul Hai, Lawla, Charbalashsar, Bowarc

Table 3.140: Area and Yield of Specific Rice Variety of Pirojpur District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	58	24.69	6.00	0.171
Brridhan 28	22	6.97	4.76	0.145
Bhajan (Indian)	41	20.42	4.80	0.241
Abdul Hai	24	28.16	4.13	0.076
Other*	47	19.77	3.80	0.208
Total	192	100.00	4.93	0.114

*Other Variety Grown: Kali Buro, BR-14/Gazi, BR-2/Mala IRRI, BR-12, 76 no. Dhan, Chaity Dhan, BR-3/Biplob, BR-11/Mukta, Khaia Motor, Sada Mota, Lalmota, Sileti Iri, Mondhashor

Table 3.141: Area and Yield of Specific Rice Variety of Pirojpur District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Haitta	87	31.63	2.05	0.051
BR-3/Biplob	24	9.15	3.02	0.162
BR-2/Mala IRRI	42	18.08	3.65	0.166
Bhajan (Indian)	32	12.34	4.12	0.242
BR-12	31	8.87	3.31	0.155
Mala Shail	14	5.50	3.15	0.087
Abdul Hai	20	8.36	4.17	0.227
Other*	29	6.06	3.52	0.223
Total	279	100.00	3.02	0.071

*Other Variety Grown: BR-27, BR-14/Gazi, Kali Buro, Brridhan 29, Brridhan 28, Paizam, 76 no. Dhan, Kali Zira, Shawni, Lal Challisha/Hireem, Brridhan 33, Sulai, Kamlamota

Table 3.142: Area and Yield of Specific Rice Variety of Barguna District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Sada Mota	75	17.10	2.64	0.051
Anam	24	13.80	2.24	0.039
BR-11/Mukta	85	12.21	3.69	0.094
Mota Dhan	27	9.64	2.50	0.047
Mowlata	62	8.95	2.81	0.040
Dudsar	36	5.69	2.93	0.071
Mota Mota	29	4.68	2.60	0.055
Kajol Lota	27	4.20	2.64	0.076
Kachamota	21	3.91	2.79	0.043
Dingamoni	23	3.69	2.64	0.095
Other*	121	16.12	3.35	0.108
Total	530	100.00	2.99	0.037

*Other Variety Grown: Brridhan 32, BR-23/Disharec, Lalmota, BR-2/Mala IRRI, Brridhan 40, Sakchor Khora, Brridhan 30, BAU - 63, Chikon, Shail, Swarna (Indian), Kali Zira, BR-22/Kiron, Lal Digha, BR-10, Brridhan 41, Brridhan 31, BR-5, BR-3/Biplob, Shawni, Sileti Iri, Bindha Kustari, Bahurimota

Table 3.143: Area and Yield of Specific Rice Variety of Barguna District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Abdul Hai	41	16.80	3.27	0.046
Guda	38	14.86	2.97	0.098
BAU – 63	22	14.64	3.42	0.125
Sileti Iri	36	13.86	3.33	0.061
BR-3/Biplob	22	11.78	5.01	0.055
Aush-Amon Misro	21	7.03	2.92	0.126
Halui	19	4.70	3.36	0.026
Other*	47	16.32	3.68	0.179
Total	246	100.00	3.50	0.060

*Other Variety Grown: Haitta, BR-14/Gazi, BR-26/Shraboni, Topa Boro, BR-9, BR-18, BR-2/Mala IRRI, BR-27, Brridhan 29, Brridhan 28, BR-21

Table 3.144: Area and Yield of Specific Rice Variety of Patuakhali District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	183	12.01	3.24	0.047
Mota Dhan	85	10.78	2.37	0.059
Kala Shail	97	6.83	2.26	0.067
Swarna (Indian)	25	5.86	3.13	0.073
Mota Mota	88	5.42	2.41	0.067
Mowlata	96	4.09	2.37	0.041
BR-22/Kiron	53	3.90	3.02	0.096
Dudsar	71	3.65	2.12	0.056
Brridhan 40	43	2.58	3.42	0.115
Nakhuchi	16	2.41	2.52	0.149
Brridhan 41	32	2.01	3.65	0.117
Brridhan 32	30	1.76	3.08	0.095
Paizam	38	1.56	3.14	0.134
Dingamoni	44	1.56	1.93	0.077
Chikon	30	1.36	2.00	0.085
BR-23/Disharee	22	1.15	3.40	0.218
Sakkhor Khora	28	1.14	1.98	0.107
Sail Grimi	46	1.12	1.82	0.045
Kuri Agrahonee	30	0.93	2.26	0.092
Khasa sugandi	20	0.35	1.92	0.052
Other*	343	29.54	2.33	0.032
Total	1420	100.00	2.55	0.020

*Other Variety Grown: Boware, Basmu Irri, Lotar Mota, Raja Shail, Lalmota, Girbi, Sileti Iri, Chengai, Kali Zira, Brridhan 33, Barma, Khayer Manor, Kelendar Mota, Jinga Sail, Haitta, Khaia Motor, Taipe, Chaprash, BR-8/Asha, BR-2/Mala IRRI, Muralce, Brridhan 30, Agne Moujan, Kartik Shail, Lakkhee Digha, Chengree, Pan Kech, Pakzar, Manik Muri, Dopa, Chik Shail, Beto, Agur, Aoyjon, Royati, GB-4, Brridhan 39, Chandra shail, Bahurimota, BR-5, Sugandi, Vadra Grimi, GRC-866

Table 3.145: Area and Yield of Specific Rice Variety of Patuakhali District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-2/Mala IRR1	147	26.30	2.97	0.063
Kali Buro	113	23.89	2.09	0.040
Haitta	116	15.81	1.92	0.051
BR-27	57	9.85	3.15	0.070
Sulai	26	5.04	1.96	0.063
BR-1/Chandina/Chaina	22	3.65	2.57	0.095
Taipe	29	3.20	2.93	0.092
Other*	109	12.26	2.78	0.093
Total	619	100.00	2.54	0.032

*Other Variety Grown: Halui, Sonalee, BR-20, BR-14/Gazi, Brridhan 28, Paizam, Manik Muri, Chengree, Billalaha, Aoyjon, Sileti Iri, Mondhashor, BR-3/Biplob, Deshi Boro, Raja Shail, Kalikora, BR-11/Mukta, BR-26/Shraboni, Aloï, Dudsar, Muktahar, Loti Shail, Lal Dhan, Moynamoti, Hira (Hybrid)

CHITTAGONG DIVISION

Table 3.146 : Area and Yield of Specific Rice Variety of Chandpur District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Kalai Aman	22	16.08	2.64	0.138
Brridhan 32	33	12.15	3.90	0.226
BR-22/Kiron	35	11.68	3.48	0.138
Mura Vazal	18	9.97	1.67	0.244
BR-23/Disharee	21	7.11	3.87	0.167
Brridhan 30	19	6.49	4.05	0.180
Takpail	24	4.57	1.17	0.069
Hirbal	23	4.13	1.15	0.040
Boyra	20	3.07	1.11	0.038
Other*	77	24.75	2.77	0.145
Total	292	100.00	2.68	0.084

*Other Variety Grown: Khama, Piprarladh, Sada Mota, Gigaj, BR-1/Chandina/Chaina, Brridhan 31, Brridhan 39, Pan Kech, Brridhan 33, Brridhan 40, BR-11/Mukta, Brridhan 28, Nazir Shail, Kali Zira, Brridhan 41, Pilpilais, BR-5, IR-50, Loha Dang, Bona Aman, Kala Shail, Charbalashsar

Table 3.147: Area and Yield of Specific Rice Variety of Chandpur District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	255	54.24	5.77	0.066
BR-3/Biplob	77	15.87	6.02	0.124
Brridhan 28	80	11.27	5.26	0.124
Bhajan (Indian)	40	4.80	6.10	0.156
BR-16/Shahi Balam	22	3.96	5.48	0.133
Iriton	28	3.32	4.87	0.201
Other*	70	6.54	3.99	0.249
Total	572	100.00	5.52	0.055

*Other Variety Grown: BR-1/Chandina/Chaina, Kali Buro, Charbalashsar, IR-8, Bina-6, Joya (Indian), Haitta, Aloke, Purbachi, Anamika, BR-8/Asha, BR-26/Shraboni, Matir Chak, Aloei, Benama, Mati Chal, Kalimatiya, Batershar, Bina-5

Table 3.148: Area and Yield of Specific Rice Variety of Chandpur District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-2/Mala IRRI	29	41.63	2.77	0.183
IR-50	25	19.19	3.21	0.117
BR-1/Chandina/Chaina	12	11.29	2.87	0.112
Other*	25	27.88	2.57	0.236
Total	91	100.00	2.87	0.092

*Other Variety Grown: Haitta, Purbachi, Merry, BR-14/Gazi, Brridhan 33, BR-3/Biplob, Joya (Indian), BR-26/Shraboni, Brridhan 28, Iriton, Matir Chak, Brridhan 40, Gaba, Charbalashsar

Table 3.149: Area and Yield of Specific Rice Variety of Brahmanbaria District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-22/Kiron	143	42.05	4.12	0.071
Khama	68	11.81	1.74	0.071
Gaindha	68	8.66	2.38	0.075
Porchum	28	5.25	2.04	0.100
Tilbazal	30	4.54	2.09	0.092
Brridhan 32	23	3.93	4.86	0.146
Paizam	30	2.81	3.27	0.155
Brridhan 30	25	2.79	4.78	0.116
Other*	120	18.16	2.88	0.127
Total	535	100.00	3.15	0.060

*Other Variety Grown: BR-11/Mukta, Kartik Shail, Brridhan 31, Anam, Swarna (Indian), Gorla, Moirol.Bajal, Bona Aman, Khasha, Ailaguta, Achhmuitta, Hizlee digha, Porangi, Brridhan 29, Brridhan 28,Nazir Shail, Brridhan 39, IRRI-20, BR-3/Biplob, BR-23/Disharce, BR-19, Borsalec, Binni/Kashia Binni, Chapillya, Brridhan 33, Sonarbangla, Kala Shail, Brridhan 41, Choto Irii, Gowrishail, Kaittal, Pani Khuri

Table 3.150: Area and Yield of Specific Rice Variety of Brahmanbaria District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	365	79.01	5.93	0.068
Brridhan 28	116	10.49	5.63	0.114
Other*	95	10.50	5.47	0.224
Total	576	100.00	5.80	0.060

*Other Variety Grown: BR-16/Shahi Balam, Anam, Hira (Hybrid), IR-8, BR-3/Biplob, BR-26/Shraboni, Achhmutta, BR-11/Mukta, Jagla, Janadhia, Khama, BR-14/Gazi, Gaindhia, Paizam, Pan Kech, Bitla, Jadu, Folana, BR-4, 68 no. Dhan, Mota Miniket (Indjan), Begunbichi, Loti Shail, Boro Baish, Aftab, BAU-68, Lakhi

Table 3.151: Area and Yield of Specific Rice Variety of Brahmanbaria District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Kachabadam	17	77.08	1.31	0.107
BR-21	4	7.36	1.63	0.208
Other*	7	15.56	2.11	0.554
Total	28	100.00	1.56	0.166

*Other Variety Grown: BR-21, Porangi, Katoktara, BR-16/Shahi Balam, Dari Shail

Table 3.152: Area and Yield of Specific Rice Variety of Comilla District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-22/Kiron	219	25.08	3.29	0.066
BR-11/Mukta	151	22.96	3.75	0.056
Brridhan 32	96	11.72	3.86	0.118
Bajal	35	5.46	2.19	0.130
Zari Shail	19	2.71	2.18	0.146
Raja Shail	23	2.69	1.49	0.141
Khama	25	2.65	1.46	0.119
Brridhan 41	19	2.24	4.28	0.272
Howai	20	1.86	2.65	0.181
Lil Khama	21	1.81	2.02	0.062
Moirol	27	1.57	1.57	0.105
Joyna	19	1.56	1.45	0.105
BR-10	24	1.51	3.62	0.149
Swarna (Indian)	20	1.49	3.71	0.176
Other*	195	14.70	2.38	0.089
Total	913	100.00	2.99	0.041

*Other Variety Grown: Gorfa, Gabura, Porchum, Dali Khama, Brridhan 30, Gigaj, Anam, Kartik Shail, Paizam, BR-23/Disharee, Sonalee, Kali Zira, Brridhan 39, Pan Kech, Kutimoni, Brridhan 40, Anamika, BR-14/Gazi, IR-8, Jagla, Brridhan 31, Brridhan 29, IRRI-20, Brridhan 28, Loti Shail, Lakkhi Bilas, BR-3/Biplob, Joya (Indian), Aloke, Gaindhia, Chikon, Dhairol/Fairol, Lakkhee Digha, Sonargira, IR-50, Bina-6, Mura Vazal, Beto, Chinigura, Brridhan 36, Hasful, BR-25, Malsiraj, Kawra, Chan Moni, Batershar, Merry

Table 3.153: Area and Yield of Specific Rice Variety of Comilla District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	489	38.47	5.92	0.057
BR-16/Shahi Balam	297	18.94	5.24	0.068
Brridhan 28	306	18.80	4.77	0.065
BR-3/Biplob	108	5.99	6.39	0.107
BR-14/Gazi	70	5.54	5.08	0.108
Joya (Indian)	54	2.90	5.29	0.145
IR-50	25	1.16	4.01	0.217
Iriton	22	0.97	5.12	0.180
Bina-6	20	0.76	5.79	0.369
Other*	132	6.47	4.56	0.130
Total	1523	100.00	5.38	0.034

*Other Variety Grown: BR-20, Purbachi, BR-11/Mukta, Porbati, Anamika, BR-8/Asha, IR-8, BR-1/Chandina/Chaina, IRRI-20, BR-10, Brridhan 36, BR-26/Shraboni, BR-1/Beri, Tangail, Paddy-601, Khama, Paizam, Benama, Topa Boro, Hira (Hybrid), Paddy-532, Haitta, Porchum, BR-22/Kiron, Pan Pata, Ratna (Indian), Taipe, Brridhan 30, Marich Shail, Kali Zira, Mota Miniket (Indian), Kolbiz, Kutimoni, Sonarbangla, BR-27, BR-63, Namsaya, Taki, Sufala, A.L.P-50, IR-10

Table 3.154: Area and Yield of Specific Rice Variety of Comilla District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-20	104	22.27	3.14	0.076
Brridhan 28	96	21.98	3.24	0.080
IR-50	79	21.43	2.92	0.096
Daw-IRRI	27	7.39	2.53	0.178
BR-1/Beri	16	4.70	3.16	0.141
BR-9	17	2.75	3.69	0.232
BR-27	17	2.42	3.84	0.241
Other*	93	17.06	3.08	0.108
Total	449	100.00	3.12	0.042

*Other Variety Grown: Paizam, BR-16/Shahi Balam, BR-2/Mala IRRI, Paddy-601, IR-10, Brridhan 29, BR-26/Shraboni, BR-14/Gazi, BR-10, Purbachi, Pawsatu, IRRI-20, Khama, Joya (Indian), Gorfa, BR-11/Mukta, Iriton, Porbati, BR-8/Asha, Haitta, Katoktara, BR-22/Kiron, Dhairol/Fairol, BR-1/Chandina/Chaina, Raja Shail, BR-50, BR-25, Anamika, Zari Shail, Banglai, Howai, Ingra

Table 3.155: Area and Yield of Specific Rice Variety of Feni District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	136	34.46	3.83	0.102
BR-22/Kiron	54	8.68	3.15	0.139
Swarna (Indian) Basuri	28	8.47	2.71	0.425
Brridhan 41	34	6.61	3.83	0.195
Brridhan 32	42	6.54	2.86	0.157
Brridhan 40	42	6.34	3.58	0.163
Paizam	38	5.37	2.63	0.181
1014 Dan	25	4.07	3.01	0.147
Brridhan 30	23	3.69	3.17	0.210
BR-23/Disharee	19	3.58	3.36	0.314
Bajal	19	3.41	0.89	0.059
Other*	75	8.78	2.80	0.154
Total	535	100.00	3.21	0.057

*Other Variety Grown: BR-21, Brridhan 31, Gigaj, Swarna (Indian), Rahman, BR-10, Brridhan 38, Joya (Indian), Brridhan 39, 802 Dan, BR-3/Biplob, Brridhan 29, Brridhan 33, 1023 Dan, Kalikora, BR-14/Gazi, 1002 Dan, Kabrock, Dhalgora, Gol Irri, BR-25, Dopa, Kali Zira, Hasmukha, Katari Bhog, Raja Shail, Nagpechi, Patishail, Kazla, Kalomegi, Binni/Kashia Binni, Loti Shail, Brridhan 34, Naikolzari, Bondha Bati, Nariya Diga, Brridhan 28, Chikon, Balam, Zatua

Table 3.156: Area and Yield of Specific Rice Variety of Feni District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	129	32.42	5.13	0.109
Brridhan 28	102	20.68	4.11	0.099
Gol Irri	28	11.06	4.70	0.136
Joya (Indian)	33	8.96	4.09	0.139
BR-16/Shahi Balam	29	4.95	4.67	0.199
Purbachi	19	2.32	3.45	0.252
Other*	103	19.60	4.07	0.101
Total	443	100.00	4.44	0.056

*Other Variety Grown: Benama, BR-3/Biplob, BR-1/Chandina/Chaina, Bina-6,China Atob, BR-14/Gazi, BR-15/Mohince, Paizam, Sonalee, BR-50, Hira (Hybrid), IR-8,BR-11/Mukta, Iriton, Jagoron (Hybrid), 1014 Dan, 802 Dan,BR-8/Asha, 34 Aloke, BR-2/Mala IRR1,BR-9, Fulbadam, Brridhan 30, Brridhan 38, BR-21, Dular, Tangail,BR-6, 208 Dan, Dan 202

Table 3.157: Area and Yield of Specific Rice Variety of Feni District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-27	15	34.11	3.06	0.326
Brridhan 28	22	29.45	3.39	0.217
Other	21	36.44	2.89	0.288
Total	58	100.00	3.12	0.157

*Other Variety Grown: Dan 202, Joya (Indian), BR-2/Mala IRR1, BR-1/Chandina/Chaina, Binni/Kashia, BR-50, BR-8/Asha, BR-3/Biplob, BR-14/Gazi, Iriton, BR-9, BR-1/Beri, BR-24, Sigral, Binni

Table 3.158: Area and Yield of Specific Rice Variety of Laxmipur District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Kala Shail	37	21.02	1.52	0.123
BR-11/Mukta	52	19.91	2.76	0.176
BR-23/Disharee	24	10.94	2.69	0.205
Gigaj	30	8.23	1.77	0.137
Brridhan 32	24	7.97	3.18	0.260
9999 Other	107	31.92	2.27	0.090
Total	274	100.00	2.30	0.066

*Other Variety Grown: Maloti, Kutimoni, Brridhan 40, BR-22/Kiron, Brridhan 30, BR-15/Mohince, Lakkhmi Kazal,Kali Zira, Piprarladh, Agunail, Brridhan 41, Paizam, Swarna (Indian), BR-10, Halgreemi, Brridhan 33,Kartik Shail, Matir Chak, Modhu Shail

Table 3.159: Area and Yield of Specific Rice Variety of Laxmipur District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	88	35.76	5.08	0.187
BR-8/Asha	21	16.60	4.61	0.196
BR-11/Mukta	25	8.48	3.88	0.392
Brridhan 28	17	5.36	4.70	0.257
Bina-6	17	4.95	1.65	0.224
Iriton	16	4.88	5.31	0.211
Benama	16	4.10	2.47	-
Other	68	19.86	4.94	0.203
Total	268	100.00	4.76	0.108

*Other Variety Grown: BR-1/Chandina/Chaina, Hira (Hybrid), Taipc, Paizam, Brridhan 39, IR-8, BR-16/Shahi Balam,BR-14/Gazi, Bhajan (Indian), Lakhi, BR-3/Biplob, Brridhan 32, Purbachi, Haitta, Sonalee,Bashmati, BR-26/Shraboni, BAU-63, Tomtom, Sonarbangla

Table 3.160: Area and Yield of Specific Rice Variety of Laxmipur District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Haitta	59	32.98	1.97	0.068
BR-2/Mala IRRI	37	18.57	2.70	0.096
Purbachi	21	17.48	2.62	0.060
Boilian	21	10.62	1.66	0.092
Other	62	20.34	2.93	0.150
Total	200	100.00	2.43	0.063

*Other Variety Grown: BR-9, Katoktara, BR-27, Lakhi, BR-21, Marich Shail, Sonalee, BR-19, Paizam, Brridhan 28,Balam, BR-1/Chandina/Chaina, BR-14/ Gazi, BR-22/Kiron, BR-26/Shraboni, BR-20, BR-11/Mukta, IR-8, Matir Chak

Table 3.161: Area and Yield of Specific Rice Variety of Noakhali District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Kala Shail	38	20.46	1.87	0.118
BR-23/Disharee	32	14.17	2.74	0.162
Loti Shail	16	11.25	2.41	0.162
Motohari	21	9.08	2.56	0.099
BR-11/Mukta	20	7.75	3.66	0.257
Gigaj	20	6.24	2.38	0.111
Paizam	14	5.89	2.84	0.141
Other	93	25.18	2.71	0.111
Total	254	100.00	2.61	0.061

*Other Variety Grown: Brridhan 40, Bajal, Brridhan 41, Gochchha, BR-22/Kiron, Kala Mona, Sada Mota, Piprarladh, Brridhan 30, Raja Shail, Chikon, Sakkhor Khora, Brridhan 39, BR-14/Gazi, Brridhan 29, Brridhan 31, BR-3/Biplob, BR-4, Oliraj, BR-16/Shahi Balam, Chamara, Bashmati, Rahman, Banaful, Nazir Shail, Theika, Brridhan 32, Mota Dhan

Table 3.162: Area and Yield of Specific Rice Variety of Noakhali District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 29	143	35.90	5.62	0.085
BR-16/Shahi Balam	113	29.79	5.43	0.095
Brridhan 28	77	10.59	4.90	0.098
BR-14/Gazi	40	7.25	4.80	0.092
Hira (Hybrid)	26	3.76	6.51	0.287
Other	70	12.71	4.81	0.223
Total	469	100.00	5.32	0.056

*Other Variety Grown: BR-11/Mukta, Jagoron (Hybrid), BR-3/Biplob, IR-8, Balam, BR-26/Shraboni, Gorai Mastan, BAU - 63, Iriton, BR-6, Brridhan 32, Raja Shail, Kala Mona, BR-23/Disharee, Bajal, Loti Shail, Kala Shail, Brridhan 40, Gigaj, Soinik, Pahari Jata, Bhajan (Indian), Tulsimala, Buro Afaz, Aloke, Sonarbangla, Badhai Chiton

Table 3.163: Area and Yield of Specific Rice Variety of Noakhali District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Batershar	21	18.08	2.16	0.103
Haitta	17	12.01	2.24	0.147
Bailam	17	11.83	2.11	0.191
Kala Mona	12	9.70	2.22	0.152
BR-27	11	5.74	3.87	0.416
Other	55	42.65	2.64	0.108
Total	133	100.00	2.52	0.078

*Other Variety Grown: Marich Shail, BR-3/Biplob, BR-14/Gazi, Loti Shail, BR-26/Shraboni, Sonalee, Sinnal, BR-20, BR-1/Chandina/Chaina, Benama, Tangail, BR-2/Mala IRRI, BR-19, Bajal, Vaturee, BR-21, Safnail, BR-5, Atlail, BR-24, Palki, 532 Dan, Hadiya

Table 3.164: Area and Yield of Specific Rice Variety of Cox’s Bazar District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	120	29.84	4.26	0.066
BR-10	86	16.32	4.20	0.077
Paizam	103	15.66	3.71	0.056
Brridhan 32	15	4.79	4.02	0.156
BR-22/Kiron	27	4.70	4.12	0.127
Brridhan 39	14	4.39	4.35	0.235
Brridhan 33	14	3.06	4.08	0.315
Brridhan 28	14	2.99	4.48	0.160
Binni/Kashia Binni	50	2.99	2.51	0.103
Other	77	15.26	3.82	0.131
Total	520	100.00	3.94	0.040

*Other Variety Grown: Brridhan 40, Brridhan 41, Brridhan 30, BR-3/Biplob, Lal Dhan, Lalmota, Benama, Brridhan 31, Brridhan 29, BR-26/Shraboni, Chikon, Sonarbangla, BR-25, IRRI-9, BR-1/Chandina/Chaina, BR-9, Nazir Shail, Sonalee, Kala Shail, Sinnal, Munsir Irri, Barma, BR-17, 86 Dan, Mukh Kalali

Table 3.165: Area and Yield of Specific Rice Variety of Cox’s Bazar District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 28	144	46.95	4.76	0.074
Brridhan 29	33	10.74	5.08	0.169
BR-16/Shahi Balam	43	9.73	4.65	0.101
Lal Dhan	39	7.97	3.99	0.138
Brridhan 33	32	6.50	4.43	0.123
Sonarbangla	19	4.54	3.86	0.184
Binni/Kashia Binni	24	1.75	3.01	0.223
Other	51	11.81	4.39	0.164
Total	385	100.00	4.50	0.051

*Other Variety Grown: BAU - 63, 86 Dan, BR-3/Biplob, BR-10, Sinnal, Gazzali, Benama, Brridhan 39, Bashmati, BR-11/Mukta, BR-26/Shraboni, Paizam, Bhajan (Indian), IR-50, BR-9, BR-12, Hidir, Kolom Debi/Deshi Kolom, Kala Shail, Mukh Kalali, Lalmota

Table 3.166: Area and Yield of Specific Rice Variety of Cox’s Bazar District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-3/Biplob	3	53.85	4.36	0.190
IR-8	1	30.77	4.20	-
BR-1/Chandina/Chaina	1	15.38	3.71	-
Total	5	100.00	4.20	0.165

Table 3.167: Area and Yield of Specific Rice Variety of Chittagong District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	354	19.64	4.27	0.052
Paizam	309	16.75	3.46	0.037
BR-22/Kiron	208	11.32	3.94	0.083
Brridhan 32	124	5.71	4.35	0.113
Brridhan 30	127	4.90	4.01	0.074
BR-10	90	4.48	3.98	0.122
Kala Shail	56	4.19	2.40	0.114
17 BR-3/Biplob	25	2.43	4.41	0.168
Brridhan 41	47	2.25	4.54	0.126
Chikon	70	1.90	2.79	0.094
Brridhan 39	38	1.71	3.67	0.202
Paijar	22	1.57	2.70	0.247
Beto	24	1.51	2.00	0.185
Brridhan 40	34	1.38	4.31	0.149
Agla Shail	22	1.36	3.16	0.156
Balam	37	1.33	2.19	0.132
BR-23/Disharee	27	1.09	4.10	0.181
Binni/Kashia Binni	104	1.09	2.35	0.069
Brridhan 33	19	1.00	3.60	0.226
BR-16/Shahi Balam	19	0.99	4.47	0.251
Brridhan 31	25	0.81	4.22	0.128
Kali Zira	40	0.58	2.32	0.081
Other	333	12.02	2.82	0.077
Total	2154	100.00	3.63	0.027

*Other Variety Grown: Chinigura, Kantahari, Swarna (Indian), Parba, Panza, Nagpechi, Roychikon, Chapillya, Gobindha Vog, Benama, Sada Mota, Chakkal, BR-14/Gazi, Sonalce, Kakani Bati, Rosmala, Lalmota, Raja Shail, Matpan, Lal Dhan, BR-1/Chandina/Chaina, Katari Bhog, Brridhan 29, Tilkapur, Belombori, Brridhan 34, Brridhan 28, Chakulla, Rahmat, Amshail, Gigaj, Kanni, Sufala, BR-26/Shraboni, Bhajan (Indian), Monohor, Nazir Shail, Barma, Vaturce, BR-8/Asha, Chhitano Aus, Rajkumar, Gelong, BR-25, Lembru, Andar Manik, Hira (Hybrid), Hizlee digha, BR-12, Nakhuchi, Sakkhor Khora, Sonarbangla, BR-50, Jamir, Iriton, Shail, Nayaraz, Bashmati, Raj Vogue, Baraikka

Table 3.168: Area and Yield of Specific Rice Variety of Chittagong District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 28	396	43.24	4.46	0.057
Brridhan 29	147	12.00	5.28	0.104
BR-16/Shahi Balam	94	6.18	4.10	0.118
Benama	43	5.17	3.95	0.088
Belombori	52	4.87	3.79	0.064
BR-12	41	4.45	4.02	0.162
BR-3/Biplob	44	4.44	4.93	0.124
BR-14/Gazi	24	2.32	4.88	0.456
BR-1/Chandina/Chaina	26	2.03	3.44	0.224
Kanni	22	1.52	4.00	0.128
Purbachi	17	1.49	4.12	0.387
Chikon	19	1.33	3.90	0.132
Other	139	10.98	4.08	0.121
Total	1064	100.00	4.44	0.040

Other Variety Grown:Iriton, BAU - 63, BR-15/Mohince, Brridhan 32, Jagoron (Hybrid), Sadasis, BR-26/Shraboni, IR-8, Paizam, Binni/Kashia Binni, Hira (Hybrid), BR-11/Mukta, Sonalee, Brridhan 33, Sonarbangla, BR-50, Brridhan 36, BR-9, BR-10, Balam, Atom, Bashmati, Sufala, IRRI-20, IR-50, Badhai Chiton, BR-4, Brridhan 31, Deshi Gama, Bota Dhan, Beto, Porbati, Kala Shail, Kalomegi, Bina-5, Bina-4, Painot, BR-6, Panza

Table 3.169: Area and Yield of Specific Rice Variety of Chittagong District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 28	100	15.51	4.24	0.131
Daw-IRRI	34	13.07	3.79	0.171
Purbachi	56	10.71	3.82	0.109
BR-16/Shahi Balam	61	7.84	3.97	0.088
BR-3/Biplob	39	7.41	4.39	0.171
BR-12	49	6.35	4.34	0.150
BR-1/Chandina/Chaina	44	5.39	3.63	0.121
BR-14/Gazi	40	5.16	4.40	0.130
Hasi Kalmi	16	4.71	2.16	0.145
BR-20	22	3.27	3.40	0.129
BR-26/Shraboni	24	3.26	3.33	0.128
Gurun	14	3.07	2.60	0.092
Chikon	15	2.27	3.06	0.132
Other	108	11.97	3.36	0.120
Total	622	100.00	3.80	0.045

*Other Variety Grown: Sonalee, Ussa IRRI, BR-27, Binni/Kashia Binni, BR-4, BR-18, Kanni, Sinnal, IR-8, Mala Shail, Chapa Khai, BR-8/Asha, Parba, BR-11/Mukta, Paizam, BR-9, Balam, Vaturee, BR-5, Brridhan 32, Iriton, Anam, BR-10, Brridhan 33, BR-21, BR-6, Khandalla, Panza

Table 3.170: Area and Yield of Specific Rice Variety of Banderban District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	143	43.85	4.06	0.071
Brridhan 30	74	18.80	4.39	0.085
BR-10	35	9.76	4.73	0.141
Barma	21	5.48	3.08	0.060
Paizam	19	3.16	2.99	0.228
Binni/Kashia Binni	20	1.67	2.99	0.196
Other	72	17.28	3.92	0.153
Total	384	100.00	4.05	0.054

*Other Variety Grown: Mongal, Brridhan 32, Brridhan 33, BR-22/Kiron, Brridhan 40, Chikon, Brridhan 41, BR-1/Chandina/Chaina, Brridhan 38, Kala Shail, Theika, Brridhan 37, BR-2/Mala IRRI, Brridhan 28, Dasbiruine, Brridhan 31, Lal Paijam, Brridhan 39, Birkona/Pala, BR-5, Samji, Lal Dhan

Table 3.171: Area and Yield of Specific Rice Variety of Banderban District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 28	99	47.69	4.75	0.065
BR-16/Shahi Balam	25	12.85	5.33	0.223
BR-11/Mukta	26	12.49	4.35	0.194
BR-12	16	5.24	4.33	0.201
Binni/Kashia Binni	20	2.33	3.71	0.120
Other	74	19.41	4.85	0.145
Total	260	100.00	4.69	0.062

*Other Variety Grown: BR-14/Gazi, Brridhan 33, Brridhan 29, Hira (Hybrid), BR-1/Chandina/Chaina, Lal Dhan, Brridhan 39, Brridhan 32, Brridhan 30, Kala Shail, Brridhan 36, BR-3 Biplob, Joya (Indian), Aloke, Iriton, Sonarbangla, BR-5,Beto, BR-9

Table 3.172: Area and Yield of Specific Rice Variety of Banderban District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 28	27	20.70	3.58	0.123
Gelong	21	13.43	1.53	0.096
Surjamani	10	8.83	1.50	0.112
Nitsupru	11	7.45	1.35	0.029
Other	84	49.59	2.44	0.150
Total	153	100.00	2.37	0.103

*Other Variety Grown: BR-26/Shraboni, BR-1/Chandina/Chaina, Binni/Kashia Binni, Craning, Demchi, Pathe, Gandari, BR-12, Mongson, Playing, BR-14/Gazi, Purbachi, BR-21, Tansama, Lal Dhan, BR-16/Shahi Balam, BR-11/Mukta, BR-19, Brridhan 33, Parba, Maising, Bangbui, Gazzali

Table 3.173: Area and Yield of Specific Rice Variety of Khagrachari District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	217	45.56	4.17	0.055
Paizam	67	8.38	3.85	0.093
Swarna (Indian)	37	6.51	4.24	0.125
Ashail	26	5.97	3.01	0.210
BR-25	21	5.57	4.83	0.133
Brridhan 30	33	5.07	4.10	0.111
BR-22/Kiron	28	3.78	4.15	0.145
BR-10	20	3.18	4.13	0.234
Binni/Kashia Binni	20	1.23	3.25	0.082
Other	97	14.74	3.95	0.143
Total	566	100.00	4.10	0.039

*Other Variety Grown: Swarna (Indian) Basuri, Rahman, Kali Zira, Brridhan 39, Tangail, BR-3/Biplob, Brridhan 40, BR-20, Nazir Shail, BR-8/Asha, Iriton, BR-1/Chandina/Chaina, Purbachi, BR-5, Brridhan 29, Beto, BR-21, BR-6, Badsha Vogh, Brridhan 32, Brridhan 41, Chan Moni, Brridhan 31

Table 3.174: Area and Yield of Specific Rice Variety of Khagrachari District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 28	62	15.41	5.33	0.186
BR-14/Gazi	19	13.02	4.20	0.096
Ashail	18	10.46	2.95	0.160
Purbachi	30	10.46	4.33	0.179
BR-11/Mukta	24	8.27	4.16	0.173
Brridhan 29	32	7.99	5.48	0.149
BR-10	18	7.07	4.36	0.139
BR-3/Biplob	20	4.14	4.94	0.189
Other	101	23.17	4.63	0.124
Total	324	100.00	4.67	0.069

*Other Variety Grown:BR-12, BR-1/Chandina/Chaina, BR-5, Tangail, BR-16/Shahi Balam, BR-8/Asha, Jagoron (Hybrid), BR-24, BR-2/Mala IRRi, Iriton, Sonarbangla, BR-21, BR-26/Shraboni, Binni/Kashia Binni, Abdul Ali, Haitta, BR-22/Kiron, Joya (Indian), Nun Chharatul, BR-19, Taipe, Benama, BR-4, Lal Dhan, Hira (Hybrid), BR-6, 802 Dan, Hiramon

Table 3.175: Area and Yield of Specific Rice Variety of Khagrachari District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	19	25.95	2.85	0.080
BR-1/Chandina/Chaina	18	19.63	3.66	0.218
Brridhan 28	7	6.39	4.02	0.375
BR-19	7	6.39	4.42	0.213
Other	36	41.64	3.81	0.145
Total	87	100.00	3.62	0.096

*Other Variety Grown:Purbachi, BR-2/Mala IRRi, BR-14/Gazi, BR-10, BR-8/Asha, BR-3/Biplob, BR-15/Mohinee, BR-26/Shraboni, Ashail, BR-22 /Kiron, BR-9, BR-12,Rahman, BR-18, Gelong

Table 3.176: Area and Yield of Specific Rice Variety of Rangamati District in Aman Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
BR-11/Mukta	127	34.43	4.66	0.117
BR-10	44	10.05	4.80	0.099
Paizam	33	7.17	3.54	0.076
Thega	22	6.62	1.32	-
BR-16/Shahi Balam	21	6.42	5.45	0.031
Brridhan 32	24	4.59	4.88	0.078
BR-27	15	3.34	4.18	0.038
BR-3/Biplob	19	2.90	4.81	0.189
Other	111	24.48	4.47	0.116
Total	416	100.00	4.54	0.057

*Other Variety Grown: Brridhan 39, Kabrock, Brridhan 30, BR-14/Gazi, Barma, BR-2/Mala IRRI, Brridhan 40, BR-9, Brridhan 41, BR-22/Kiron, BR-23/Disharce, Brridhan 28, BR-4, BR-5, Brridhan 31, Binni/Kashia Binni, BR-20, IR-8, Hizlee digha, Bhajan (Indian), BR-1/Chandina/Chaina, Benama, Swarna (Indian), Purbachi, Hira (Hybrid), BR-25, Tansama, Shalkani

Table 3.177: Area and Yield of Specific Rice Variety of Rangamati District in Boro Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Brridhan 28	110	35.66	5.01	0.094
Brridhan 29	74	27.61	6.71	0.155
BR-11/Mukta	27	11.02	4.48	0.193
Hira (Hybrid)	24	8.37	8.05	0.317
Other	52	17.35	4.25	0.178
Total	287	100.00	5.51	0.099

*Other Variety Grown: BR-16/Shahi Balam, Benama, IR-8, Purbachi, BR-1/Chandina/Chaina, BR-3/Biplob, Sonarbangla, Paizam, BR-9, BR-10, BR-25, BR-5, Barma, Kabrock

Table 3.178: Area and Yield of Specific Rice Variety of Rangamati District in Aus Season

Variety Name	Numbers	% of Area	Yld ton/hac	SE of Mean
Gelong	27	17.79	1.79	0.147
Ami	19	17.68	1.48	0.000
Kabrock	14	12.43	1.47	0.013
Brridhan 28	28	12.10	4.43	0.198
BR-19	16	7.99	4.44	0.308
BR-8/Asha	17	5.19	4.59	0.143
Other	66	26.80	3.37	0.194
Total	187	100.00	3.07	0.122

*Other Variety Grown: BR-14/Gazi, BR-18, Ranguai, BR-3/Biplob, Binni/Kashia Binni, BR-2/Mala IRRI, BR-11/Mukta, BR-7, Sufala, Brridhan 29, BR-15/Mohince, BR-1/Chandina/Chaina, BR-9, BR-12, Brridhan 40, BR-27, Aftab, BR-21, BR-20, Merry, Kalingha, Palki, Charui

APPENDIX 4: EXTINCT RICE VARIETIES IN BANGLADESH

Table 4.1: Extinct Aman Varieties by Regions

(Figures represent no. of responding farmers)

Extinct Aman varieties	Name of the region						Total
	Rajshahi	Dhaka	Sylhet	Khulna	Barisal	Chittagong	
Nazir Shail	40	75	182	158	39	194	688
Loti Shail	52	51	235	57	18	38	451
Raja Shail	5	5	16	29	141	61	257
Balam	0	4	34	119	28	66	251
Chikon	0	14	12	0	193	26	245
Binni/Kashia Binni	11	183	2	1	1	36	234
Digha	44	40	0	46	98	0	228
Kartik Shail	25	27	91	22	35	9	209
Bajal	0	37	101	2	0	44	184
Gochchha	8	2	24	32	18	98	182
Birui	0	170	4	0	1	0	175
Boron Dhan	26	105	1	4	14	16	166
Lakkhee Digha	0	5	0	0	146	0	151
Khama	6	61	71	0	0	0	138
Hizlee digha	1	12	14	0	90	1	118
Jinga Sail	39	4	0	67	7	0	117
Indor Shail	112	1	0	1	0	1	115
Maloti	0	65	14	4	11	20	114
Bashful	18	0	0	20	74	0	112
Patnai	0	0	0	112	0	0	112
Shail	25	0	31	43	1	6	106
Sona Digha	9	56	1	0	39	0	105
Shail Kaila	1	0	0	101	1	0	103
Gaindha	36	32	27	0	2	0	97
Pani Shail	96	1	0	0	0	0	97
Kalom	91	0	0	2	0	2	95
Anam	8	16	70	0	0	0	94
Dopa	23	31	0	35	1	0	90
Lembru	0	0	0	0	9	78	87
Bashira	20	3	5	50	6	0	84
Mal Sira	74	7	0	1	0	0	82
Tilbazal	0	2	75	0	1	0	78
Khaia Motor	2	2	0	22	49	0	75
Chakkal	0	0	0	0	0	72	72
Porchum	0	24	47	0	0	0	71
Joyna	1	0	0	3	67	0	71
Shapahar	71	0	0	0	0	0	71
Jali Aman/Baran/Chamara	2	63	0	0	0	6	71
Lakkhi Bilas	0	10	34	0	24	0	68
Mugi	33	2	15	3	1	14	68

Extinct Aman varieties	Name of the region						Total
	Rajshahi	Dhaka	Sylhet	Khulna	Barisal	Chittagong	
Dol Kachua	1	8	0	13	38	5	65
Nagpechi	0	0	4	3	1	56	64
Kalarthor	12	0	0	52	0	0	64
Shil Komol	44	0	0	19	0	0	63
Jasoa	49	11	0	0	0	0	60
Chapillya	0	22	3	5	8	22	60
Depur	18	16	3	5	6	6	54
Kala Shail	1	0	3	5	3	42	54
Birkona/Pala	0	0	0	52	2	0	54
Gigaj	1	0	4	0	28	20	53
Nagra	1	0	0	51	0	0	52
Goura Kazal	14	0	0	31	6	0	51
Beto	24	0	0	3	8	16	51
Hida	47	0	0	3	1	0	51
Jaldepa	50	0	0	0	0	0	50
Dudsar	13	12	3	4	3	13	48
Kali Zira	1	13	14	2	12	6	48
Loha Dang	12	35	1	0	0	0	48
Rayenda	8	0	0	36	0	0	44
Haldabata	16	0	3	15	8	2	44
Chan Moni	0	0	0	0	0	44	44
Luturi	0	0	0	0	44	0	44
Sechi	3	41	0	0	0	0	44
Gorfa	0	1	9	1	30	1	42
Kocho	3	0	2	35	0	2	42
Bowalil	24	18	0	0	0	0	42
Debmoni	0	0	0	27	15	0	42
Kachra	7	0	0	32	2	0	41
Haitta	19	6	6	1	7	0	39
Magur Shail	39	0	0	0	0	0	39
Rajamoral	0	0	0	30	9	0	39
Kutimoni	12	2	1	5	17	1	38
Batraj	36	0	0	0	0	0	36
Ropa Aman	0	0	0	32	2	0	34
Bashi Raj	23	0	0	0	11	0	34
Lohatung	1	32	0	0	0	0	33
Patlai	0	0	0	31	1	0	32
Parba	0	0	0	0	0	32	32
Khatbada	32	0	0	0	0	0	32
Murkeemala	1	0	0	30	0	0	31
Nilkomar	31	0	0	0	0	0	31
Gabura	0	5	0	0	25	0	30
Araila	1	28	0	1	0	0	30
Modhu Shail	4	21	1	2	1	0	29
Barud	0	22	7	0	0	0	29
Lal Digha	0	18	0	1	9	0	28
Sada Mota	0	0	1	6	14	7	28

Extinct Aman varieties	Name of the region						Total
	Rajshahi	Dhaka	Sylhet	Khulna	Barisal	Chittagong	
Gurun	1	0	0	22	0	5	28
Pazra	27	0	1	0	0	0	28
Lalmota	0	0	3	9	13	2	27
Monon	0	0	0	0	26	0	26
Halui	1	22	0	0	2	1	26
Kayamota	0	0	0	20	6	0	26
Sinnal	0	0	0	0	0	25	25
Chini Atob	0	0	8	15	0	1	24
Chakulla	0	2	0	0	0	22	24
Girbi	1	0	1	0	22	0	24
Ragushail	24	0	0	0	0	0	24
Monohor	2	0	0	15	0	6	23
Mowlata	0	0	0	0	23	0	23
Bil Kazal	0	0	0	23	0	0	23
Achhmuitta	0	0	22	0	0	0	22
Moyna Shail	0	0	22	0	0	0	22
Bindha Kustari	0	0	0	5	17	0	22
Badsha Vogh	0	0	0	0	0	22	22
Fulkori	2	0	18	0	1	0	21
Goria	4	3	11	2	0	1	21
Mota Dhan	4	0	1	0	13	3	21
Sarkaree	0	0	21	0	0	0	21
Rajkumar	0	0	0	0	0	21	21
Dari Shail	10	0	8	2	0	0	20
Matir Chak	3	3	1	0	12	1	20
Manik Digha	0	5	0	1	14	0	20
Chamara	1	17	0	1	0	1	20
Dulai	0	20	0	0	0	0	20
Noyadangha	10	10	0	0	0	0	20
Barua Nata	0	0	0	6	14	0	20
Boware	0	0	0	0	20	0	20
Katoktara	0	0	7	3	7	2	19
Pan Kech	0	1	16	0	2	0	19
Kala Manik	0	8	1	0	7	3	19
Dudraj	0	0	0	2	17	0	19
Bhabani	1	1	16	0	0	0	18
Phankhiraj	7	1	1	0	9	0	18
Kalai Aman	0	10	7	0	1	0	18
Gidan	0	0	0	0	2	16	18
Martaman	0	0	0	0	18	0	18
Kala Digha	7	0	0	1	3	6	17
Tepa Aman	0	4	8	0	5	0	17
Parichak	0	0	17	0	0	0	17
Khunchi	1	0	0	6	10	0	17
Lakhi	0	0	17	0	0	0	17
Gada Banga	0	0	0	17	0	0	17
Enda	1	0	15	0	0	0	16

Extinct Aman varieties	Name of the region						Total
	Rajshahi	Dhaka	Sylhet	Khulna	Barisal	Chittagong	
Malsiraj	11	5	0	0	0	0	16
Kawra	0	1	13	0	0	2	16
Nayaraz	16	0	0	0	0	0	16
Agunail	0	0	1	1	7	7	16
Chengree	3	0	5	0	7	0	15
Zabra	2	0	0	13	0	0	15
Nakhuchi	0	0	1	0	2	12	15
Shishumoti	0	0	0	13	2	0	15
Malbuk	1	1	0	4	9	0	15
Kaika	0	15	0	0	0	0	15
Daud Bajal	0	3	7	0	0	5	15
Bondha Bati	0	0	0	0	0	15	15
Boilian	0	11	0	1	0	2	14
Maitta Gorol	14	0	0	0	0	0	14
Mohish Kandi	0	0	0	13	1	0	14
Bahurimota	0	3	0	0	11	0	14
Boyra	0	0	14	0	0	0	14
Marich Shail	0	1	1	11	0	0	13
Harhari	1	11	1	0	0	0	13
Batershar	0	6	6	0	1	0	13
Gelong	0	0	0	0	0	13	13
Mura Vazal	0	0	3	0	1	8	12
Vaturee	1	0	0	0	0	11	12
Patishail	0	10	1	0	1	0	12
Bagtulshi	0	0	0	12	0	0	12
Arairaz	0	0	12	0	0	0	12
Jatra Maruk	3	9	0	0	0	0	12
Ashinee	1	8	0	0	2	0	11
Katari Bhog	9	0	0	0	2	0	11
Dhalee Chikon Dhan	0	3	8	0	0	0	11
Hasi Kalmi	4	0	4	3	0	0	11
Kaminishail	0	0	4	0	1	6	11
Bowalzori	1	0	0	10	0	0	11
Babui	0	8	0	2	1	0	11
Kala Bian	0	0	0	0	0	11	11
Kangkoj	0	0	0	0	0	11	11
Has mukha	5	1	1	2	1	0	10
Azal Digha	10	0	0	0	0	0	10
Thakuri Kalai	1	3	6	0	0	0	10
Kala Bakri	1	2	0	0	1	6	10
Muktahar	6	0	0	4	0	0	10
Kumari	1	6	0	0	2	1	10
Dudmanor	0	0	0	0	10	0	10
Taramondal	10	0	0	0	0	0	10
Mona Manik	0	10	0	0	0	0	10
Baraikka	0	0	10	0	0	0	10
Bajramuri	0	0	0	10	0	0	10

Extinct Aman varieties	Name of the region						Total
	Rajshahi	Dhaka	Sylhet	Khulna	Barisal	Chittagong	
Khani	0	0	0	10	0	0	10
Nonakhiricha	0	0	0	8	2	0	10
Bara Nonakharchi	0	0	0	10	0	0	10
Pongkhiraj	0	0	0	0	1	9	10
Nagassor	0	0	0	0	0	10	10
Sonashil	10	0	0	0	0	0	10
Lakkhee Lota	0	0	0	0	9	0	9
Shani	9	0	0	0	0	0	9
Amanchalla	0	0	0	9	0	0	9
Chinigura	0	5	2	1	0	1	9
Kajol Lota	5	0	0	3	1	0	9
Tipushail	0	0	0	0	9	0	9
Fulbadam	0	6	1	0	2	0	9
Zoyalghada	0	3	4	0	2	0	9
Chandraw Bow	0	8	1	0	0	0	9
Gutak	0	0	9	0	0	0	9
Chaprash	0	0	2	0	7	0	9
Nazim Uddin	0	0	9	0	0	0	9
Ashail	0	0	0	0	0	9	9
Hasudanga	0	9	0	0	0	0	9
Nimbaz	9	0	0	0	0	0	9
Heragola	9	0	0	0	0	0	9
Dhairol/Fairol	0	1	3	0	0	4	8
Pan Pata	0	0	1	7	0	0	8
Lal Bhowla	6	1	0	0	0	1	8
Koijuree	1	1	0	6	0	0	8
Boral	1	0	3	4	0	0	8
Kalavog	0	0	0	0	8	0	8
Jamir	0	5	0	0	0	3	8
Mohislam	0	0	0	2	0	6	8
Khillai	0	8	0	0	0	0	8
Kanchon Mogi	0	0	7	0	1	0	8
Moirol	0	0	7	1	0	0	8
Khirkunni	0	0	0	8	0	0	8
Murshidabad	0	0	0	8	0	0	8
Mollahdiga	0	8	0	0	0	0	8
Ret Paisa	0	0	0	3	4	0	7
Ashkar	2	1	1	0	3	0	7
Kuri Agrahonee	0	0	0	1	6	0	7
Bharosa	0	0	6	1	0	0	7
Bota Dhan	1	0	0	6	0	0	7
Sita Rogu	0	0	0	4	3	0	7
Balaka	0	0	0	0	0	7	7
Raj Vogue	0	1	4	1	1	0	7
Dumai	6	0	1	0	0	0	7
Harkaj	0	0	0	7	0	0	7
Haringha Diga	0	6	0	0	0	1	7

Extinct Aman varieties	Name of the region						Total
	Rajshahi	Dhaka	Sylhet	Khulna	Barisal	Chittagong	
Bagraz	3	3	0	0	1	0	7
Gayal	0	1	6	0	0	0	7
Nalcom	0	0	0	0	6	1	7
Lal Balam	1	0	5	1	0	0	7
Saiyamara	0	0	7	0	0	0	7
Huglapata	0	0	0	7	0	0	7
Shailamotor	7	0	0	0	0	0	7
Lamba Chalani	7	0	0	0	0	0	7
Tal Zota	2	0	4	0	0	0	6
Naroi	0	0	0	4	2	0	6
Dingamoni	0	0	1	0	5	0	6
Mota Mota	3	0	0	0	3	0	6
Patsadaikuri	6	0	0	0	0	0	6
Ranisent	0	0	0	6	0	0	6
Naldigha	0	0	0	0	6	0	6
Banori	0	6	0	0	0	0	6
Do-Ashi	6	0	0	0	0	0	6
Eide	3	0	0	0	3	0	6
Panti	5	0	0	0	0	1	6
Guri Afsi	0	6	0	0	0	0	6
Kachabithi	0	0	0	0	0	6	6
Kalpath	6	0	0	0	0	0	6
Haladia	0	0	0	0	0	6	6
Kachuri	0	0	0	0	0	6	6
Others*	100	130	131	148	121	136	766
Total	1843	1854	1706	1982	1958	1518	10861

Other Aman Varieties Extinct : Muralee, Jalpata, Badhai Chiton, Tetulla, Baku Dhan, Kolom Debi/Deshi Kolom, Barchamuri, Choto Irii, Amshail, Leza, Padnail, Shiyali Boran, Sundarlata, Kanamadhari, Aynashail, Masrangha, Balichuri, Ukilimadhu, Chunalai, Lanzair, Sulai, Pukhi, Andar Manik, Bilmalitha, Khayer Manor, Hasidhan, Amidikhan, Aza Mondal, Arkari (5) Zolal, Iriton, Aush-Amon Misro, Hidir, Malanche, Jhaua, Royati, Bona Aman, Hasful, Afsaya, Jalkumari, Bashmati, Kumirgar, Lalkhora, Chaolamagi, Lama, Kaladhama, Mogh Balam, Arman Hardar, Benamuri, Kalandi, Sataki Jariya, Ranger Gura, Pahari Shail, Samji, Gareshar, Bismali, Chadamani, Mukh Kalali, Lotar Mota, Karchamuri(4) Ratna (Indian), Tulsimala, Benama, Sarsaria, Sada Bowla, Agla Shail, Noila, Mati Chal, Naitra Shail, China Atob, Kuishwari, Dhalgora, Purbachi, Jota Aus, Beerpak, Fulkoroi, Golapi, Kalomegi, Baila Borka, Bagajol, Kazla, Paitja, Katijol, Kalokora, Samrosh, Kumra Garuai, Baghdar, Laduk, Sattar Vog, Raymukhi, Guda, Kaittal, Chandtara, Hapa, Samla Megi, Orabath, Sandha moni, Jumur, Ajab Bathi, Honjari, Sovaraz, Padma Shail, Asir Uddin, Buri Pagla, Vadra Grimi, Moharaz, Sadagabura, Sadajabra, Sharna Basuri, Gaija, Bagrail (3) Joya (Indian), Lukee, Sonargira, Deshi digha, Jagla, Tilkapur, Fulbadam, Pakzar, Lakkhmi, Kazal, Mota Miniket, Jamros, Kangor, Pathor Nuti Pathor Nuri, Porbati, Moynamoti, Goyramuri, Jamaibabu, Roychikon, Huron, Samuk Kata, Pokraz, Lohachura, Savar, Raduni Pagal, Polajol, Gonok Roy, Shempura Aman, Chandra shail, Kutri Angti, Lolock, Khilnoail, Mathchal, Gilamight, Gurdai, Mihi, Howai, Safnail, Kainol, Dular, Abdul Hai, Lowma, Mondhashor, Srimon, Charbalashsar, Pajjar, Takumota, Piprarladh, Pagu, Hirbal, Dubishail, Singhaligacha, Gopalveri, Lalgati, Munsii, Oliraj, Bali Gurguri, Kaligaj, Hanuman jata, Mongson, Maising, Kuchuly, Matpan, Shal Peyara, Tirashi, Maidul, Magura, Khandalla, Pailot, Balenga, Bakamora, Tulabali, Baspar, Chengai, Gutl, Lata, Kaloboyra, Shirbol, Kala Mona, Kaladhan, Daka Shail, Kachadola, Zirof, Karadol (2) Porangi, Ukra Hal, Katarce, Bitla, Fulaifosa, Bichhon, Sate Boal, Rupalee, Jadu, Deoree, Manik Muri, Kola Dama, Mariom, Borsalee, Zutua, Chhitano Aus, Chik Shail, Bhasa Manik, Hetey Maur, Begunbichi, Asamee, Agur, Mongal, Nizam, Saita, Aoyjon, Nator, Lal Pajjam, Rakhi, Belombori, Rahman, Razpal, Sonazzal, Putisail, Nariya Diga, Bai Magura, Gaba, Komak Kamini, Kalimatiya, Champali, Dilbadal, Baldhara, Karkait, Budahai, Asakumra, Naikolhari, Nappaha, Tarab Ali, Kachabadam, Urisha, Sribalam, Goai, Banakush, Alam Vog, Bogi, Sultan Bash, Tuma merry, Latma, Momei, Rupshaw, Bandhail, Daw-IRRI, Kalamakhabi, Railamon, Kairail, Ikra, Kutichikon, Khasa sugandi, Lawla, Sita Vog, Sagar Fona, Bannamota, Libra, Shimil, Kauiyututhi, Jangli, bandani, Kalamachi, Vhenamuri, Bauras, Hail fring, Netue, Sindur Kora, Boiragishail, Ramshail, Hasnabaj, Sada Karcha, Gazkathi, Mozahar, Kafu, Tungrodhan, Vusangdhan, Basa bigi dhan, Shalkani, Rangichabal, Dudnalaj, Kabule Rice, Ganga Sagar, Uzzal, Dakali, Moi Dhan, Rangun Akh, Royakhali, Gol Irii, Panza, Hasem, Bulet, Chalot, Bowdulali, Lil Khama, Sail Grimi, Kalabona, Kelendar Mota, Agne Moujan, Kabir Manik, Khejur Bada, Vushi Hara, Datch, Sonari, Palabir, Kabrock, Lora Shail, Kamarang, Ami, Daled Khani, Rasiya, Kanakchor, Panshira, Joydeb, Two Soya, Chomki

Table 4.2: Extinct Aus Varieties by Region

(Figures represent no. of responding farms)

Extinct Aus varieties	Rajshahi	Dhaka	Sylhet	Khulna	Barisal	Chittagong	Total
Haitta	19	220	150	26	325	27	767
Katoktara	18	89	241	82	51	84	565
Goria	289	33	1	0	3	0	326
Porangi	36	54	1	194	40	0	325
Kala Manik	49	161	1	12	2	1	226
Aush-Amon Misro	8	0	8	131	57	19	223
Sinnal	0	0	23	0	0	186	209
Hasi Kalmi	13	110	0	27	42	6	198
Balam	1	9	21	16	45	89	181
Sulai	0	0	0	6	160	15	181
Vaturee	0	78	1	0	0	89	168
Chapillya	12	143	1	0	4	0	160
Agali	0	154	3	0	0	0	157
Dari Shail	1	52	90	2	0	4	149
Chengree	0	1	136	0	2	0	139
Dumai	62	0	76	0	0	0	138
Matir Chak	0	21	13	0	91	2	127
Lakkhee Lota	0	3	0	7	111	0	121
Gaba	115	0	0	0	0	0	115
Dhairol/Fairol	16	53	16	0	15	14	114
Muralee	0	0	113	0	0	0	113
Naroi	1	3	0	88	15	1	108
Shani	98	0	0	0	0	0	98
Gumbir	0	0	0	96	0	0	96
Kala Bakri	38	0	0	52	3	1	94
Barchamuri	0	1	0	32	47	0	80
Bagtulshi	0	0	0	74	0	0	74
Mohislam	0	10	9	20	33	1	73
Kali Buro	0	0	0	27	45	0	72
Bailam	0	0	0	0	30	40	70
Batershar	1	2	44	0	8	13	68
Sribalam	0	0	0	45	19	0	64
Gatadungra	62	0	0	0	0	0	62
Kelendar Mota	0	0	0	0	61	0	61
Bogi	0	60	0	0	0	0	60
Gorfa	15	15	26	0	1	0	57
Kali Aus	33	1	0	23	0	0	57
Binni/Kashia Binni	2	8	0	12	0	34	56
Saita	30	0	0	21	0	4	55
Pathor Nuti/Pathor Nuri	50	0	0	1	0	0	51

Extinct Aus varieties	Rajshahi	Dhaka	Sylhet	Khulna	Barisal	Chittagong	Total
Mowmor	0	0	0	0	51	0	51
Boilian	11	13	2	1	17	6	50
Baku Dhan	0	0	0	49	0	0	49
Hapa	0	2	0	46	0	0	48
Vadra Grimi	0	0	0	0	48	0	48
Halui	0	0	3	0	17	23	43
Pan Pata	8	0	0	25	0	8	41
Nokidumra	41	0	0	0	0	0	41
Fulbadam	0	1	24	0	0	15	40
Ikra	0	0	40	0	0	0	40
Chakulla	0	37	0	0	0	2	39
Fulbadam	0	1	7	0	30	0	38
Marich Shail	2	7	4	2	0	21	36
Hanuman jata	0	0	0	35	0	0	35
Pukhi	0	29	5	0	0	0	34
Fulkoroi	0	0	0	32	0	0	32
Hizlee digha	5	0	0	23	2	0	30
Jabaful	25	0	0	5	0	0	30
Kala Mona	0	0	0	0	0	30	30
Merry	0	0	12	0	15	2	29
Kutimoni	6	0	0	19	2	0	27
Vhenamuri	0	0	0	2	25	0	27
Ratul	0	0	0	21	6	0	27
Katar	25	0	0	1	0	0	26
Benamuri	0	0	0	26	0	0	26
Begunbichi	16	8	0	1	0	0	25
Sail Grimi	0	0	0	0	25	0	25
Sarisa banai	25	0	0	0	0	0	25
Sigral	0	0	0	0	0	25	25
Kalikora	16	0	0	0	0	8	24
Girbi	0	0	0	0	24	0	24
Chikon	0	0	10	0	2	11	23
Koijuree	0	5	1	2	15	0	23
Kaminishail	0	0	20	0	0	3	23
Zabra	22	0	0	0	0	0	22
Jota Aus	4	0	0	16	0	2	22
Loti Shail	1	2	7	12	0	0	22
Charbalashsar	0	0	22	0	0	0	22
Gareshar	0	0	0	17	4	1	22
Kalakuchi	22	0	0	0	0	0	22
Boron Dhan	3	8	0	9	0	1	21
Budahai	21	0	0	0	0	0	21
Kaladhama	21	0	0	0	0	0	21

Extinct Aus varieties	Rajshahi	Dhaka	Sylhet	Khulna	Barisal	Chittagong	Total
Bauras	0	0	20	0	0	0	20
Manik Muri	0	0	0	15	4	0	19
Phankhiraj	4	6	0	0	9	0	19
Bowalzori	8	0	6	0	2	3	19
Sonari	0	0	0	0	0	19	19
Tilbazal	0	0	18	0	0	0	18
Jagla	1	3	0	1	13	0	18
Indor Shail	16	0	0	0	0	2	18
Bajal	5	1	9	0	0	3	18
Samuk Kata	0	0	0	18	0	0	18
Fuka Aus	0	18	0	0	0	0	18
Natel Boro	0	0	0	18	0	0	18
Bona Gambir	0	0	0	0	17	0	17
Gelong	0	0	0	0	0	17	17
Fulkori	0	0	2	13	1	0	16
Kali Zira	5	0	3	3	4	1	16
Baila Borka	0	4	0	0	12	0	16
Asakumra	0	16	0	0	0	0	16
Balichuri	0	16	0	0	0	0	16
Bahai	0	0	0	0	16	0	16
Birui	0	4	1	10	0	0	15
Maloti	0	2	13	0	0	0	15
Chaiti Dhan	5	9	0	0	1	0	15
Katki	15	0	0	0	0	0	15
Kabrock	0	0	0	0	0	15	15
Kartik Shail	2	0	10	0	2	0	14
Goura Kazal	6	0	0	8	0	0	14
Benama	0	0	0	13	0	1	14
Jalkumari	8	3	0	0	3	0	14
Banglai	14	0	0	0	0	0	14
Devog	0	0	14	0	0	0	14
Kamarang	0	0	0	0	0	14	14
Deshi Boro	0	0	0	0	13	0	13
Bowalil	0	2	0	10	1	0	13
Sona Digha	1	2	0	0	8	1	12
Nazir Shail	0	2	3	3	0	4	12
Kocho	12	0	0	0	0	0	12
Araila	0	1	10	0	1	0	12
Paitja	0	0	0	12	0	0	12
Lama	0	5	7	0	0	0	12
Chingri	0	0	12	0	0	0	12
Babui	0	1	0	10	1	0	12
Nilozi	12	0	0	0	0	0	12

Extinct Aus varieties	Rajshahi	Dhaka	Sylhet	Khulna	Barisal	Chittagong	Total
Shanta Dan	12	0	0	0	0	0	12
Banglani	12	0	0	0	0	0	12
Kala Digha	0	0	0	11	0	0	11
Badhai Chiton	7	0	0	4	0	0	11
Nagpechi	0	0	0	0	0	11	11
Chalaki	0	2	9	0	0	0	11
Gayal	0	2	2	0	4	3	11
Samla Megi	0	0	0	11	0	0	11
Pan Kech	9	0	0	0	1	0	10
Jasoa	7	3	0	0	0	0	10
Shail Kaila	0	0	0	10	0	0	10
Bota Dhan	9	0	0	1	0	0	10
Jabgari	10	0	0	0	0	0	10
Kamliras	0	0	0	10	0	0	10
Chapa Khai	0	0	0	0	0	10	10
Chengai	0	10	0	0	0	0	10
Khejur Bada	10	0	0	0	0	0	10
Isharjara	0	0	0	0	10	0	10
Chinatungori	0	10	0	0	0	0	10
Aus Beki	0	0	0	10	0	0	10
Ranguai	0	0	0	0	0	10	10
Dudsar	9	0	0	0	0	0	9
Agla Shail	0	9	0	0	0	0	9
Jamros	5	0	0	4	0	0	9
Kala Shail	0	1	0	3	0	5	9
Harhari	0	9	0	0	0	0	9
Kumra Garuai	0	0	8	1	0	0	9
Moirol	0	0	3	1	5	0	9
Baish Moni	0	0	0	0	9	0	9
Sandha moni	0	0	0	5	4	0	9
Rangpura Aus	9	0	0	0	0	0	9
Achhmuitta	0	0	8	0	0	0	8
Zoal	5	0	3	0	0	0	8
Gabura	8	0	0	0	0	0	8
Kachi Lona	0	8	0	0	0	0	8
Muktahar	0	8	0	0	0	0	8
Kalimatiya	0	0	2	0	6	0	8
Moslam	0	8	0	0	0	0	8
Chan Moni	0	0	0	8	0	0	8
Pancharotan	0	0	0	0	8	0	8
Ashail	0	0	0	0	0	8	8
Binmaduli	0	8	0	0	0	0	8
Karchamuri	0	0	0	0	6	2	8

Extinct Aus varieties	Rajshahi	Dhaka	Sylhet	Khulna	Barisal	Chittagong	Total
Madhumalati	0	0	0	0	0	8	8
Tulsimala	0	0	0	4	2	1	7
Haringha Diga	5	0	0	0	2	0	7
Haldabata	2	0	0	5	0	0	7
Khurkuti	0	0	6	0	0	1	7
Kalandi	0	0	0	7	0	0	7
Sirti	0	0	0	7	0	0	7
Bali Gurguri	0	6	0	1	0	0	7
Kabule Rice	0	0	0	7	0	0	7
Gorabai	7	0	0	0	0	0	7
Malka	7	0	0	0	0	0	7
Kala Sharna	7	0	0	0	0	0	7
Beto	1	1	0	0	0	5	7
Charnok	0	0	7	0	0	0	7
Mota Dhan	1	0	0	0	0	5	6
Lakkhmi Kazal	0	0	0	4	2	0	6
Gochchha	0	1	0	2	0	3	6
Amanchalla	0	0	0	0	6	0	6
Gowrishail	0	0	1	5	0	0	6
Sultan Bash	0	0	1	0	4	1	6
Baillajali	0	0	6	0	0	0	6
Chandtara	0	0	0	1	5	0	6
Bowdulali	4	0	0	0	2	0	6
Jabinda	6	0	0	0	0	0	6
Bailaforale	6	0	0	0	0	0	6
Ohchin	0	0	0	0	0	6	6
Paran Dan	0	0	0	0	0	6	6
Others*	98	67	92	84	79	63	483
Total	1613	1642	1407	1678	1756	1016	9112

*Other Aus Varieties Extinct : Lakkhee Digha, Loha Dang, Asamee, Chinigura, Aoyjon, Lakkhi Bilas, Royati, Birkona/Pala, Hingsuri, Mugi, Jali Aus, Kalarthor, Karai Morali, Dudraj, Choto Mallik, Lembru, Sangkarpati (5), Tal Zota, Khaia Motor, Manik Digha, Jalpata, Dol Kachua, Sada Mota, Raja Shail, Gurun, Thakuri Kalai, Kuishwari, Nizam, Kajol Lota, Chini Atob, Kutri Angti, Tarab Ali, Lal Balam, Kasiamanta, Atlail, Luturi, Nagra, Gretakala, Kalirai (4), Khama, Rayenda, Shail, Baro Mukha, Jadu, Jaldepa, Gigaj, Kachra, Kalom, Shawni, Dudmanor, Jamir, Champali, Bagraz, Taramondal, Aynashail, Momel, Gung gor bali, Grivi, Agunail, Surjamani, Sada Aus, Musuri, Khatbada, Batraj, Kadachap, Charui (3), Porchum, Gaindha, Mal Sira, Katari Bhog, Nakhuchi, Noila, Tetulla, Pakzar, Borsalee, Chhitano Aus, Bharosa, Murkeemala, Shil Komol, Enda, Jhaura, Raj Voguc, Moyna Shail, hamara, Sankatari, Jali Aman/Baran/Chamara, Narikel Badi, Putisail, Choto Irii, Tipushail, Gugushail, Bashmati, Kalokora, Lalkhora, Kiran, Kachilain, Baldhara, Zoyalghada, Kachabadam, Kalai Aman, Pawsatu, Dular, Guda, Kutichikon, Bahurimota, Mohishdol, Maniktara, Saiyamara, Kachali Boro, Nitang, Mongson, Samji, Parba, Chakkal, Maidul, Panti, Balenga, Padma Shail, Nonakhiricha, Moharaz, Harin Raja, Pongkhiraj, Haladia, Marich Bati, Karadol (2) Hasmukha, Lal Digha, Deshi Kali Boro, Billalaha, Ashince, Malom, Ashkar, Digha, Pani Shail, Jashorce, Lohatung, Dopa, Kolom Debi/Deshi Kolom, Ropa Aman, Bashful, Chik Shail, Dhalgora, Agur, Mongal, Bashiraj, Modhu Shail, Kadmoni, Malbuk, Patsadaikuri, Moynamoti, Ekor Chaoul, Ranisent, Zira Shail, Sammahari, Belombori, Rajkumar, Boro Baish, Golapi, Kalomegi, Hasful, Malsiraj, Pokraz, Kaktara, Kazla, Chandra shail, Madabjata, Hazishail, Amshail, Kharnowlata, Chaolamagi, Billun, Banori, Shiyali Boran, Lahagaocha, Bashi Raj, Urikabra, Chandraw Bow, Goai, Bindha Kustari, Nilkomar, Kasahar, Burolambi, Baghdar, Mihi, Safnail, Kalamakhabi, Kanchon Mogi, Gutak, Latamona, Takumota, Gorihaidoc, Bowarc, Osmor, Shimil, Kalamachi, Sindur Kora, Sataki Jariya, Guni Tengra, Manik Sundar, Khara Chamila, Kafu, Barma, Vusangdhan, Sampati, Kharer Shal, Jumur, Ganga Sagar, Gorangha, Koyasha, Mukh Kalali, Chanka Dan, Khandalla, Tomtom, Shalik, Project, Bilmalitha, Bakamora, Pazra, Kanullah, Kalabona, Khayer Manor, Agne Moujan, Gut Lata, Hankapa, Shirbol, Kalapahar, Pahari Jata, Sharna Basuri, Bondha Bati, Badsha Vogh, Kachuri, Sani, Minigat, Khuda Loki, Chumke, Kangkoj

Table 4.3: Reasons to extinct specific Aman Traditional Varieties

Extinct variety name: Aman	% of Reasons to Extinct Major Variety: Aman Season						Total respondents
	Less yield	Longer cult. period	Lodging problem	Less husking rice	More pest	Other	
Nazir Shail	80.2	6.6	7.9	1.2	1.0	3.3	668
Loti Shail	89.4	1.1	4.3	0.2	0.9	4.3	442
Raja Shail	83.7	2.9	5.2	1.6	1.6	5.7	245
Balam	78.7	4.5	5.3	2.9	0.8	8.2	243
Chikon	50.9	1.0	21.0	0.8	17.2	8.4	238
Binni/Kashia Binni	84.0	1.3	4.3	-	2.2	5.2	231
Digha	56.0	11.6	2.3	0.9	0.5	28.8	216
Kartik Shail	78.8	4.4	1.5	0.5	2.0	13.7	203
Bajal	69.1	5.1	12.4	1.1	1.0	11.4	178
Birui	83.7	6.5	8.0	1.2	-	0.6	169
Gochchha	50.9	3.7	7.4	-	3.1	35.0	163
Boron Dhan	62.8	8.8	2.0	-	3.4	21.0	148
Lakkhee Digha	45.8	1.4	1.4	-	4.9	46.5	144
Khama	60.9	13.4	6.0	-	1.5	18.2	134
Hizlee digha	45.3	6.8	0.9	0.9	22.2	24.0	117
Indor Shail	99.1	-	1.0	-	-	-	115
Jinga Sail	85.6	7.8	0.9	-	-	6.1	115
Maloti	90.4	-	5.3	-	0.9	3.5	114
Bashful	75.3	7.3	1.8	-	12.8	2.8	109
Patnai	89.7	7.5	1.9	0.9	-	-	107
Shail	94.2	1.0	-	-	-	4.8	104
Sona Digha	61.8	10.8	-	-	-	27.4	102
Shail Kaila	92.8	3.1	1.0	-	-	3.1	97
Total	76.0	4.9	5.7	0.7	3.0	10.1	4402

Table 4.4: Reasons to extinct specific Aus Traditional Varieties

Extinct variety name: Aus	% of Reasons to Extinct Major Variety, Aus Season						Total	Total respondents
	Less yield	Longer cult. period	Lodging problem	Less husking rice	More pest	Other		
Haitta	81.6	0.4	1.5	0.5	0.8	15.1	100	740
Katoktara	80.5	6.5	2.6	0.9	2.0	7.4	100	538
Porangi	86.6		0.6	0.3	5.3	7.2	100	320
Goria	87.1	0.6	5.4	1.9	2.2	2.8	100	317
Kala Manik	50.5	0.5	-	1.4	16.8	30.9	100	220
Aush-Amon Misro	96.3	0.5	1.4	-	-	1.9	100	214
Sinnal	94.4	1.0	4.1	0.5	-	-	100	196
Hasi Kalmi	76.8	4.6	3.1	3.6	5.2	6.7	100	194
Sulai	67.5	1.2	3.6	10.1	1.2	16.6	100	169
Vaturee	57.8	0.6	1.8	0.6	12.7	26.5	100	166
Balam	78.0	1.8	3.7	1.2	1.2	14.0	100	164
Chapillya	94.3	-	2.5	1.9	1.3	-	100	157
Agali	96.2	1.9	0.6	-	0.6	0.6	100	156
Dari Shail	72.9	2.1	2.8	-	1.4	20.8	100	144
Chengree	94.2	0.7	2.9	0.7	1.4	-	100	139
Dumai	92.6	0.7	2.2	3.0	0.7	0.7	100	135
Matir Chak	56.9	6.5	7.3	1.6	2.4	25.2	100	123
Lakkhee Lota	60.7	3.4	2.6	0.9		32.5	100	117
Gaba	100.0	-	-	-	-	-	100	112
Dhairol/Fairol	86.5	1.8	2.7	0.9	4.5	3.6	100	111
Muralee	96.4	0.9	2.7	-	-	-	100	110
Naroi	90.7	-	1.9	0.9		6.5	100	108
Total	81.5	1.8	2.4	1.3	2.8	10.2	100	4650

APPENDIX 5: TRAITS FOR ADOPTING SOME IMPORTANT VARIETIES AND TIME PATTERN OF ADOPTION

Table 5.1: Traits for which farmers prefer Brridhan 28 and Brridhan 29

Trait of likings Brridhan 28	1st trait of likings		Multiple response for traits	
	Number	%	Number	%
High yield	3857	63.97	4122	67.95
Pest resistance	325	5.39	1221	20.13
Eating quality	1333	22.11	4656	76.76
Short maturity	469	7.78	4170	68.74
Less weed	2	0.03	157	2.59
Lodging resistance	19	0.32	1390	22.91
More husking rice	14	0.23	962	15.86
Good for popped rice	4	0.07	616	10.15
Other	6	0.10	251	4.14

Trait of likings, Brridhan 29	1st trait of likings		Multiple response of traits	
	Number	%	Number	%
High yield	6457	96.43	6593	98.40
Pest resistance	45	0.67	2129	31.78
Eating quality	134	2.00	4450	66.42
Short duiration	11	0.16	219	3.27
Less weed	2	0.03	183	2.73
Lodging resistance	34	0.51	4132	61.67
More husking rice	3	0.04	950	14.18
Good for popped rice	3	0.04	450	6.72
Other	7	0.10	171	2.55

Table 5.2: Time Pattern of Adoption (cumulative % of area) by Farm Size Group, Brridhan 29

Year of adoption	Farm size group			
	Marginal	Small	Medium	Large
1995	1.0	1.4	1.7	2.5
1996	1.6	2.0	2.6	3.9
1997	2.9	3.2	4.4	5.4
1998	5.4	5.9	8.0	8.8
1999	8.1	9.2	11.0	11.7
2000	15.1	16.9	19.0	20.7
2001	21.0	24.1	26.7	28.7
2002	28.3	32.6	35.2	36.7
2003	37.2	40.3	43.8	45.4
2004	41.7	46.0	49.1	50.2
2005	43.8	47.7	50.6	53.0

Table 5.3: Time Pattern of Adoption (cumulative % of area) by Ecological Condition, Brridhan 29

Year of adoption	Ecological condition			
	Floodprone	Droughtprone	Salt affected	Favourable
1995	2.34	0.33	-	1.46
1996	3.74	0.73	-	2.11
1997	5.85	1.06	-	3.50
1998	10.11	1.88	-	6.42
1999	13.78	3.92	-	9.48
2000	25.61	9.05	0.76	16.20
2001	36.07	11.75	1.89	22.83
2002	49.18	14.93	3.22	29.77
2003	60.49	21.21	3.79	37.45
2004	66.82	27.24	4.73	42.13
2005	68.41	30.18	6.82	44.10

Table 5.4: Time Pattern of Adoption (cumulative % of area) by Land Elevation, Brridhan 29

Year of adoption	Land elevation			
	High land	Medium land	Low land	Very low land
1995	0.42	0.85	3.58	19.87
1996	0.99	1.44	4.65	33.77
1997	1.55	2.68	6.97	39.07
1998	3.24	5.22	12.19	40.40
1999	3.80	7.53	18.66	43.05
2000	8.73	13.98	32.71	51.66
2001	13.66	20.61	42.80	56.95
2002	21.55	27.94	54.57	63.58
2003	29.15	35.73	65.42	68.21
2004	33.80	40.37	72.51	75.50
2005	36.20	42.43	73.80	78.81

Table 5.5: Time Pattern of Adoption (cumulative % of area) by Farm Size Group, Brridhan 28

Year of adoption	Farm size group			
	Marginal	Small	Medium	Large
1994	0.32	0.29	0.60	0.49
1995	1.03	1.11	1.65	2.47
1996	1.65	1.69	2.31	3.40
1997	2.20	2.68	3.48	4.93
1998	4.01	4.83	6.16	9.13
1999	5.78	7.37	9.06	11.45
2000	10.69	14.04	16.90	19.73
2001	14.92	19.57	23.74	26.25
2002	21.51	26.77	32.46	34.09
2003	27.33	34.45	40.95	42.62
2004	31.94	40.23	46.97	48.54
2005	33.82	42.35	48.99	50.52

Table 5.6: Time Pattern of Adoption (cumulative % of area) by Ecological Condition, Brridhan 28

Year of adoption	Ecological condition			
	Floodprone	Droughtprone	Salt affected	Favourable
1994	0.52	0.52	0.19	0.42
1995	1.49	1.34	3.03	1.39
1996	2.74	1.58	3.03	1.87
1997	4.43	2.32	3.41	2.65
1998	6.50	5.25	3.79	5.49
1999	8.37	7.70	4.17	8.38
2000	15.32	13.08	7.01	15.57
2001	20.45	16.75	9.28	22.16
2002	27.33	22.14	12.88	30.59
2003	34.68	29.15	15.91	38.67
2004	39.59	36.25	18.94	44.50
2005	40.71	38.37	21.21	46.93

APPENDIX 6: USE OF SEED, FERTILIZER AND IRRIGATION

6.1 SEED

Table 6.1.1: Source of Seed by Broad Rice Variety and Farm size: Aman Season

Source of seed in Aman Season													
Own harvest			Neighbour		Dealer		BADC		Research organization		NGO		Total
Count	Row %	Row %	Count	Row %	Count	Row %	Count	Row %	Count	Row %	Count	Row %	Count
Rice variety													
Deshi MV	8320	56.9	2074	14.2	1154	7.9	3061	20.9	12	0.1	12	0.1	14633
Indian MV	2077	72.3	577	20.1	182	6.3					37	1.3	2873
Hybrid	45	60.0	15	20.0	15	20.0							75
TV	7705	82.9	1280	13.8	309	3.3							9294
Total	18147	67.5	3946	14.7	1660	6.2	3061	11.4	12	0.0	49	0.2	26875
Land holding group													
Upto 0.2 ha	384	65.5	104	17.7	42	7.2	56	9.6					586
0.2-0.4 ha	2032	64.5	559	17.7	212	6.7	337	10.7	1	0.0	10	0.3	3151
0.4-1.0 ha	5832	66.7	1404	16.1	558	6.4	939	10.7	1	0.0	11	0.1	8745
1.0 - 2.0 ha	5865	68.2	1194	13.9	506	5.9	1013	11.8	4	0.0	14	0.2	8596
2.0 - 3.0 ha	2971	68.5	555	12.8	245	5.6	553	12.8	3	0.1	10	0.2	4337
Above 3.0 ha	1042	72.6	129	9.0	96	6.7	162	11.3	3	0.2	4	0.3	1436
Total	18126	67.5	3945	14.7	1659	6.2	3060	11.4	12	0.0	49	0.2	26851

In Aman season, about two-third (67.5%) seed was supplied from own source and neighbours supplied another 15% while BADC supplied about 11%.

Table 6.1.2: Source of Seed by Broad Rice Variety and Farm size: Boro Season

	Source of seed in Boro Season													
	Own harvest	Neighbour		Dealer		BADC		Research organization		NGO		Total		
	Count	Row %	Count	Row %	Count	Row %	Count	Row %	Count	Row %	Count	Row %	Count	Row %
Broad group of rice variety														
Deshi MV	7641	45.2	2335	13.8	1681	9.9	5183	30.6	42	0.2	32	0.2	16914	100
Indian MV	1482	70.4	486	23.1	121	5.7	-	-	-	-	17	0.8	2106	100
Hybrid	93	11.6	27	3.4	525	65.7	-	-	-	-	154	19.3	799	100
TV	1158	72.4	339	21.2	93	5.8	-	-	-	-	9	0.6	1599	100
Total	10374	48.4	3187	14.9	2420	11.3	5183	24.2	42	0.2	212	1.0	21418	100
Land holding group														
Upto 0.2 ha	264	44.5	142	23.9	64	10.8	122	20.6			1	0.2	593	100
0.2-0.4 ha	1366	46.0	590	19.9	299	10.1	682	23.0	7	0.2	23	0.8	2967	100
0.4-1.0 ha	3635	48.8	1169	15.7	813	10.9	1765	23.7	14	0.2	53	0.7	7449	100
1.0 - 2.0 ha	3219	48.9	865	13.1	765	11.6	1652	25.1	14	0.2	72	1.1	6587	100
2.0 - 3.0 ha	1405	49.4	328	11.5	345	12.1	721	25.4	5	0.2	39	1.4	2843	100
Above 3.0 ha	481	49.6	88	9.1	134	13.8	240	24.8	2	0.2	24	2.5	969	100
Total	10370	48.4	3182	14.9	2420	11.3	5182	24.2	42	0.2	212	1.0	21408	100

Table 6.1.3: Source of Seed by Broad Rice Variety and Farm size: Aus Season

Source of seed in Aus Season											
	Own harvest		Neighbour		Dealer		BADC		NGO		Total
	Count	Row %	Count	Row %	Count	Row %	Count	Row %	Count	Row %	
Broad group of rice variety											
Deshi MV	2403	63.5	544	14.4	233	6.2	602	15.9	3	0.1	3785 100
Indian MV	417	79.9	88	16.9	17	3.3					522 100
Hybrid	31	64.6	6	12.5	11	22.9					48 100
TV	2125	83.2	363	14.2	66	2.6					2554 100
Total	4976	72.0	1001	14.5	327	4.7	602	8.7	3	0.0	6909 100
Land holding group											
Upto 0.2 ha	98	68.1	23	16.0	9	6.3	13	9.0	1	0.7	144 100
0.2-0.4 ha	584	69.8	140	16.7	47	5.6	66	7.9			837 100
0.4-1.0 ha	1568	70.8	355	16.0	101	4.6	190	8.6	1	0.0	2215 100
1.0 - 2.0 ha	1666	74.7	300	13.5	99	4.4	163	7.3	1	0.0	2229 100
2.0 - 3.0 ha	829	72.3	156	13.6	47	4.1	114	9.9			1146 100
Above 3.0 ha	225	67.8	27	8.1	24	7.2	56	16.9			332 100
Total	4970	72.0	1001	14.5	327	4.7	602	8.7	3	0.0	6903 100

6.2 FERTILIZER

Table 6.2.1: Fertilizer Use by Rice Variety (Kg. per hectare)

Variety Name	N	Urea kg/h	TSP kg/h	MP kg/h	Dap kg/h
TV	12659	96.4	34.4	16.4	2.3
Brridhan 29	6669	204.2	95.7	56.0	9.1
BR-11/Mukta	6120	150.6	63.8	36.1	5.8
Brridhan 28	6104	189.9	90.3	54.3	9.7
Swarna (Indian)	2692	174.0	77.0	50.4	12.9
Paizam	2113	110.8	41.9	24.9	3.3
BR-22/Kiron	1289	133.8	64.2	31.3	1.0
Brridhan 32	1219	135.7	64.1	37.1	4.5
BR-14/Gazi	876	164.5	75.1	42.1	3.2
BR-16/Shahi Balam	866	190.3	103.6	52.7	1.4
BR-3/Biplob	852	166.1	85.9	47.3	4.0
Brridhan 30	834	152.7	69.6	36.5	3.9
BR-1/Chandina/Chaina	797	147.1	71.4	42.9	5.1
Bhajan (Indian)	736	218.0	104.1	44.4	7.7
BR-10	733	161.8	78.2	45.0	5.0
Ratna (Indian)	683	248.1	110.9	54.0	6.2
BR-2/Mala IRRI	582	115.9	41.8	27.1	11.0
Hira (Hybrid)	533	229.7	103.6	69.3	20.8
BR-23/Disharee	502	118.7	54.8	22.7	1.3
Brridhan 40	481	144.5	67.6	39.5	4.3
Brridhan 41	480	133.6	69.2	39.0	5.4
Purbachi	422	159.4	71.4	47.6	8.3
Parijat (Indian)	410	158.0	45.1	53.9	39.0
Brridhan 33	392	186.6	86.9	46.7	4.8
BR-26/Shraboni	360	183.5	72.4	43.9	17.3
Brridhan 39	357	154.5	77.0	43.5	6.2
Iriton	278	214.3	92.2	52.2	3.1
IR-50	262	160.5	80.0	41.4	3.4
Mota Miniket (Indian)	217	271.5	106.7	69.1	18.9
Nayanmoni (Indian)	213	226.5	90.4	58.7	20.5
BR-12	195	152.7	81.1	46.5	6.2
BR-20	194	143.9	66.0	34.9	1.0
IR-8	193	230.4	112.2	47.3	7.1
BR-27	176	135.7	68.2	42.1	1.4
BR-19	164	125.5	60.1	41.7	3.0
BR-21	160	143.2	67.3	47.8	13.8
Jagoron (Hybrid)	155	243.5	99.4	61.1	9.8
Joya (Indian)	154	207.9	93.1	51.2	1.7
Brridhan 31	124	136.8	75.6	31.3	1.4
BR-8/Asha	116	203.8	120.7	45.2	2.2
IEET	107	246.7	107.5	67.1	21.4
Taipe	104	139.3	55.9	30.0	6.9
Total	54289	153.8	68.0	38.6	6.4

Table 6.2.2 Fertilizer Use by Districts (Kg. per hectare)

District	N	Urea kg/h	TSP kg/h	MP kg/h	Dap kg/h
Dinajpur	836	153.9	64.4	55.6	13.7
Rangpur	721	157.1	72.8	50.3	1.0
Panchagarh	129	128.3	68.7	75.8	0.0
Nilphamari	377	139.8	73.8	49.8	0.1
Thakurgaon	257	167.7	117.5	105.1	17.9
Lalmonirhat	360	157.3	63.6	47.1	1.3
Kurigram	799	174.8	56.6	40.0	9.0
Sirajganj	727	213.4	85.7	46.7	0.6
Pabna	467	190.6	89.0	49.4	15.7
Chapai Nawabganj	230	199.7	12.6	41.2	54.1
Joypurhat	162	176.8	79.8	60.5	5.3
Rajshahi	786	160.9	49.1	64.3	53.9
Naogaon	927	154.8	45.0	65.7	39.8
Natore	430	184.8	90.5	67.2	29.4
Bogra	1066	145.9	62.0	46.7	5.4
Chandpur	1080	168.0	95.2	52.2	0.6
Brahmanbaria	1163	155.4	87.3	39.7	0.6
Cornilla	2990	161.7	87.7	50.2	0.2
Maulvibazar	783	86.2	43.8	18.3	0.0
Sylhet	1426	107.5	58.5	34.7	0.0
Habiganj	1025	108.7	47.4	32.3	0.3
Sunamganj	815	108.4	33.2	16.4	4.9
Bagerhat	913	109.5	46.9	12.7	1.7
Meherpur	490	221.8	97.5	56.9	31.0
Magura	727	190.6	88.9	49.5	10.2
Narail	805	189.5	79.9	45.4	16.0
Jessore	2222	224.7	100.6	50.5	6.7
Khulna	686	114.0	53.1	23.6	5.4
Chuadanga	719	260.4	109.3	58.7	15.9
Satkhira	709	190.8	100.4	61.3	12.3
Kustia	931	194.3	93.8	50.6	5.3
Jhenaidha	876	257.4	109.3	64.2	10.0
Faridpur	814	197.7	80.8	42.5	8.2
Rajbari	549	141.9	78.0	41.7	1.8
Gopalganj	395	178.5	74.5	53.8	33.2
Madaripur	308	228.9	99.5	59.2	5.0
Shariatpur	642	205.6	103.7	40.6	11.8
Barisal	1535	105.3	39.8	21.4	3.1

District	N	Urea kg/h	TSP kg/h	MP kg/h	Dap kg/h
Jhalokati	903	126.7	51.6	39.4	1.0
Bhola	1152	126.8	69.1	24.0	0.1
Pirojpur	1159	95.4	33.0	14.2	3.7
Barguna	794	121.0	40.1	15.3	0.0
Patuakhali	1437	72.6	25.3	8.9	3.2
Feni	1111	163.3	68.4	35.5	2.0
Lakshmipur	653	118.8	48.6	20.5	3.7
Nokhali	828	123.4	64.0	29.7	0.0
Cox's Bazar	886	165.4	72.2	36.9	0.0
Chittagonj	3839	150.9	82.0	31.3	0.0
Bandarban	857	135.5	63.1	37.4	0.1
Khagrachhari	944	117.3	73.4	39.0	0.0
Rangamati	722	179.4	101.0	64.0	0.2
Narayanganj	158	185.2	151.0	70.9	0.0
Dhaka	402	171.3	71.0	37.5	1.0
Narsinghdi	539	183.3	58.8	26.6	0.1
Munshiganj	126	236.2	133.1	76.1	0.0
Gazipur	648	126.4	53.0	28.6	0.0
Manikganj	462	105.8	53.6	24.2	6.3
Tangail	754	163.2	58.1	30.0	5.5
Mymensingh	1923	138.5	41.5	27.1	2.7
Kishoriganj	678	174.4	68.9	34.1	0.4
Jamalpur	896	181.4	32.4	21.6	14.8
Sherpur	839	121.0	26.7	32.3	40.5
Netrakona	677	119.2	36.7	28.6	1.1
Total	54264	153.8	68.0	38.6	6.4

6.3 IRRIGATION

Table 6.3.1: Irrigation Status by Physical Factors

	Irrigation status							
	Own irrigation machine		Rent others' equipemnt		Do not practice irrigation		Total	
	Count	Row %	Count	Row %	Count	Row %	Count	Row %
Ecological status of village								
Floodprone area	1051	26.18	2740	68.26	223	5.56	4014	100
Droughtprone area	369	30.10	668	54.49	189	15.42	1226	100
Salt affected area	59	11.17	220	41.67	249	47.16	528	100
Favourable area	2465	30.26	5015	61.56	666	8.18	8146	100
Total	3944	28.35	8643	62.12	1327	9.54	13914	100
Depth of flooding								
High land	190	26.76	393	55.35	127	17.89	710	100
Medium land	3005	28.86	6298	60.48	1110	10.66	10413	100
Low land	704	26.81	1846	70.30	76	2.89	2626	100
Very low land	47	31.13	93	61.59	11	7.28	151	100
Total	3946	28.39	8630	62.09	1324	9.53	13900	100
Soil type								
Clay	681	27.36	1511	60.71	297	11.93	2489	100
Loamy	3148	28.71	6875	62.70	942	8.59	10965	100
Sandy	117	25.05	262	56.10	88	18.84	467	100
Total	3946	28.35	8648	62.12	1327	9.53	13921	100

Table 6.3.2: Type of Irrigation Machine Owned by the Farmer by Socio-economic Factors

	Type of machine owned by farmer							
	STW		LLP		Other		Total	
	Count	Row %	Count	Row %	Count	Row %	Count	Row %
Broader landholding group								
Marginal farmer	194	67.13	58	20.07	37	12.80	289	100
Small farmer	877	75.34	204	17.53	83	7.13	1164	100
Medium farmer	1024	72.83	266	18.92	116	8.25	1406	100
Large farmer	714	69.39	252	24.49	63	6.12	1029	100
Total	2809	72.25	780	20.06	299	7.69	3888	100
Educational group								
No education	348	77.68	74	16.52	26	5.80	448	100
Primary	874	70.83	259	20.99	101	8.18	1234	100
Secondary	1005	72.35	283	20.37	101	7.27	1389	100
SSC and above	410	71.93	111	19.47	49	8.60	570	100
Total	2637	72.43	727	19.97	277	7.61	3641	100
Tenancy group								
Pure tenant	355	70.72	107	21.31	40	7.97	502	100
Tenant-owner	418	73.20	101	17.69	52	9.11	571	100
Owner-tenant	369	73.21	78	15.48	57	11.31	504	100
Pure owner	1667	72.13	494	21.38	150	6.49	2311	100
Total	2809	72.25	780	20.06	299	7.69	3888	100

Table 6.3.3: Type of Irrigation Machine Owned by the Farmer by Physical Factors

	Type of machine owned by farmer						Total	
	STW		LLP		Other			
	Count	Row %	Count	Row %	Count	Row %	Count	Row %
Ecological status of village								
Floodprone area	677	66.77	275	27.12	62	6.11	1014	100
Droughtprone area	281	78.71	46	12.89	30	8.40	357	100
Salt affected area	17	28.81	32	54.24	10	16.95	59	100
Favourable area	1802	74.93	408	16.96	195	8.11	2405	100
Total	2777	72.41	761	19.84	297	7.74	3835	100
Depth of flooding								
High land	107	57.53	50	26.88	29	15.59	186	100
Medium land	2219	75.92	489	16.73	215	7.36	2923	100
Low land	432	63.44	200	29.37	49	7.20	681	100
Very low land	17	36.17	28	59.57	2	4.26	47	100
Total	2775	72.32	767	19.99	295	7.69	3837	100
Soil type								
Clay	430	64.76	175	26.36	59	8.89	664	100
Loamy	2262	73.73	575	18.74	231	7.53	3068	100
Sandy	79	75.24	20	19.05	6	5.71	105	100
Total	2771	72.22	770	20.07	296	7.71	3837	100

Table 6.3.4: Distribution for Farmers Irrigation Source Who Don't Possess Any Irrigation Machine

	Source of irrigation for non-owner									
	Rainfed		Rent other's STW		Rent other's pump		Other		Total	
	Count	Row %	Count	Row %	Count	Row %	Count	Row %	Count	Row %
Broader landholding group										
Marginal farmer	213	8.55	1216	48.82	782	31.39	280	11.24	2491	100
Small farmer	282	8.12	1573	45.27	1148	33.04	472	13.58	3475	100
Medium farmer	187	9.39	797	40.01	710	35.64	298	14.96	1992	100
Large farmer	117	15.75	219	29.48	285	38.36	122	16.42	743	100
Total	799	9.18	3805	43.73	2925	33.62	1172	13.47	8701	100
Educational group										
No education	71	5.27	702	52.08	402	29.82	173	12.83	1348	100
Primary	398	10.60	1573	41.90	1279	34.07	504	13.43	3754	100
Secondary	205	9.47	859	39.68	779	35.98	322	14.87	2165	100
SSC and above	47	6.70	313	44.59	262	37.32	80	11.40	702	100
Total	721	9.05	3447	43.26	2722	34.16	1079	13.54	7969	100
Tenancy group										
Pure tenant	250	8.54	1300	44.41	1034	35.33	343	11.72	2927	100
Tenant-owner	178	10.39	803	46.88	473	27.61	259	15.12	1713	100
Owner-tenant	68	8.42	341	42.20	278	34.41	121	14.98	808	100
Pure owner	303	9.31	1361	41.84	1140	35.04	449	13.80	3253	100
Total	799	9.18	3805	43.73	2925	33.62	1172	13.47	8701	100

REFERENCES

- Benin S, Gebremedhin B, Smale M, Pender J, and Ehui S 2003. Determinants of cereal diversity in communities and on household farms of the Northern Ethiopian Highlands', Environment and Production Technology Division, Washington, D.C. USA, International Food Policy Research Institute.
- Cabanilla VL, Hossain, M and Khush GS 2000. Diffusion of breeding materials and genetic composition of improved rices in South and Southeast Asia: 1965-1998. *Social Science Division Working Paper*. Los Banos, Philippines: International Rice Research Institute.
- Hossain M, Jaim WMH 2009. 'Diversity and diffusion of rice varieties: A data base for Bangladesh'. Report submitted to IFPRI, HarvestPlus Project, July.
- Hossain M, Jaim WMH, Paris TR and Hardy B (editors) 2012. 'Adoption and diffusion of modern rice varieties in Bangladesh and eastern India'. Los Banos, Philippines: International Rice Research Institute.
- Hossain M, Gollin D, Cabanilla V, Cabrera E, Johnson N, Khush GS and McLaren G 2003. International Research and Genetic Improvement in Rice: Evidence from Asia and Latin America *In* Crop: variety improvement and its effect on productivity The impact of International Agricultural Research, Evenson RE and Gollin D, (Editors). CABI Publishing. CAB International. Wallingford, Oxon OX10 8DE, UK.
- Hargrove TR, 1979. The diffusion and adoption of semi-dwarf rice cultivars as parents in Asian rice breeding programs, *Crop Science* 19: 571-574.
- Zimmerer KS and Douches DS 1991. Geographical approaches to crop conservation: the partitioning of genetic diversity in Andean potatoes. *Econ.Bot.* 45(2): 176-189.

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