

## 10<sup>th</sup> Conference

### Bangladesh Society of Agronomy

(Website: <http://bdagron.webs.com/>)

**Saturday, 8 October 2011: Venue: BARI, Joydebpur, Gazipur**

#### List of Abstracts & Full papers received for presentation in the BSA conference

Sl. No.	Name of Author(s)	Institution (s)	Title of paper	Full paper
1.	Md. Sarwar Jahan <sup>1*</sup> , Mohd Khanif bin Yusop <sup>2</sup> , Mohd Nozulaidi Bin Nordin <sup>1</sup> , and Mohd Khairi B Che Lah <sup>1</sup>	<sup>1</sup> Department of Agricultural Science, Faculty of Agriculture and Biotechnology, University Darul Iman Malaysia, 20400 Terengganu, Malaysia <sup>2</sup> Department of Land Management, Faculty of Agriculture, University Putra Malaysia, 43400 Selangor, Malaysia *Presenting author: sarwarjahan@uniswa.edu.my	LOW INPUT RICE PRODUCTION	
2.	Hafiz Muhammad Akram*, Qumer Iqbal** and Abdus Sattar***	*Plant Physiologist, Corresponding author Email: akramhm88@gmail.com **Research Associate, ***Director Agronomy, Ayub Agricultural Research Institute, Faisalabad (Pakistan)	IMPACT OF WATER DEFICIT STRESS ON VARIOUS PHYSIOLOGICAL AND AGRONOMIC TRAITS OF THREE RICE ( <i>Oryza sativa</i> L.) CULTIVARS	
3.	Jehan Bakht* <sup>1</sup> , Asghari Bano <sup>2</sup> Mohammad Shafi <sup>3</sup> and Peter Dominy <sup>4</sup>	<sup>1</sup> Institute of Biotechnology and Genetic Engineering, Khyber Pakhtun Khwa Agricultural University Peshawar, Pakistan <sup>2</sup> Department of Plant Sciences, Quaid-E-Azam University Islamabad, Pakistan <sup>3</sup> Department of Agronomy, Khyber Pakhtun Khwa Agricultural University Peshawar, Pakistan <sup>4</sup> Plant Science Group, Division of Biochemistry & Molecular Biology, IBLS, University of Glasgow, Glasgow G12 8QQ, UK. *Corresponding author: Phone	EFFECT OF FOLIAR ABSCISIC ACID APPLICATION ON COLD TOLERANCE IN CHICK PEA ( <i>Cicer arietinum</i> )	

Sl. No.	Name of Author(s)	Institution (s)	Title of paper	Full paper
		+92(0) 91-9216862: Fax: +92(0) 91-9216520: E-mail:jehanbakht@yahoo.co.uk		
4.	M Aminul Haque*	*Water Resources Planning Organization (WARPO), Ministry of Water Resources, House # 103, Road # 1, Banani, Dhaka-1213, Bangladesh, email: maminul05@yahoo.com	DEVELOPMENT OF COASTAL AGRICULTURE IN BANGLADESH	
5.	Dilwar Ahmed Choudhury*, Muhammad Salim and Abdur Rahman Sarkar	Bangladesh Agricultural Research Institute, Joydebpur, Gazipur-1701	PHYSIO-MORPHOLOGICAL PARAMETERS OF WHEAT GENOTYPES INFLUENCED BY WATER STRESS	
6.	†Rafi Qamar, Ehsanullah, Abdul Ghaffar, and Atique-ur-Rehman	Department of Agronomy, University of Agriculture, Faisalabad (Pakistan) Corresponding author: E-mail: rafi1573@gmail.com†	EFFECT OF IRRIGATION SCHEDULING ON THE YIELD AND YIELD COMPONENTS OF TWO WHEAT ( <i>Triticum aestivum</i> L.) VARIETIES	Yes
7.	M. Awais*, M. A. Nadeem, S. A. Wajid and U. Bashir	Department of Agronomy, University of Agriculture, Faisalabad PAKISTAN *Email: mauaf26@gmail.com	EFFICACY AND ECONOMICS OF INTEGRATED WEED MANAGEMENT PRACTICES IN AUTUMN PLANTED MAIZE ( <i>Zea mays</i> L.)	
8.	Md. Ariful Islam; Umakanta Sarker, Jalal Uddin Ahmed and M. A. Khaleque Mian	<sup>1</sup> PhD (fellow), <sup>2</sup> Assistant Professor (GPB), <sup>3</sup> Professors (CBT) <sup>4</sup> and Professors (GPB), Bangabandhu Sheikh Muzibur Agricultural University, Gazipur 1706, Bangladesh	ADAPTATION OF CHINESE CMS LINES INTERACTION WITH SEEDLING AGE AND ROW RATIO ON HYBRID SEED PRODUCTION OF RICE ( <i>Oryza sativa</i> L.)	Yes
9.	M. I. Nazrul*, M. A. Rahman, D. A. Chowdhury, M. A. Quayyum and M. F. Islam	On-Farm Research Division Bangladesh Agricultural Research Institute, Sylhet, Bangladesh	INTEGRATED FERTILIZER MANAGEMENT FOR WHEAT- JUTE-T. AMAN CROPPING PATTERN	
10.	Muhammad Usman Bashir*, N. Akbar, A.	Department of Agronomy, University of Agriculture,	DIRECT SEEDED COARSE RICE ( <i>Oryza sativa</i> L) AS AFFECTED BY	

Sl. No.	Name of Author(s)	Institution (s)	Title of paper	Full paper
	Wajid and M. Awais	Faisalabad, PAKISTAN *E.mail: <a href="mailto:usmanbashir2003@gmail.com">usmanbashir2003@gmail.com</a>	DIFFERENT SOWING DATES	
11.	M. R. Shaheb* and M.I. Nazrul	On-Farm Research Division Bangladesh Agricultural Research Institute, Sylhet, Bangladesh	PERFORMANCE OF CABBAGE ON IPNS WITH COWDUNG BIO-SLURRY IN SURMA KUSHIARA FLOOD PLAIN	
12.	Md. Moshir Rahman, Md. Akhlas Uddin and Md. Mehedi Masood	Department of Agronomy, Bangladesh Agricultural University, Mymensingh, Bangladesh	Irrigation water saving, yield performance and cost-effectiveness of different rice cultivation systems in boro season	Yes
13.	M. Ilias Hossain <sup>1</sup> , M.I. Hossain <sup>2</sup> , M.S. Islam <sup>3</sup> , M.R. I. Mandal <sup>4</sup> and T.P Tiwary <sup>5</sup>	<sup>1</sup> Senior Scientific officer (Agronomy), Regional Wheat Research Centre, BARI, Rajshahi, Email: <a href="mailto:iliasrwc@gmail.com">iliasrwc@gmail.com</a> <sup>2</sup> Principal Scientific Officer (Ag. Engineer), Regional Wheat Research Centre, BARI, Rajshahi <sup>3</sup> Director (Research), Bangladesh Agricultural Research Institute, Joydebpur, Gazipur <sup>4</sup> Director General, Bangladesh Agricultural Research Institute, Joydebpur, Gazipur <sup>5</sup> Cropping system agronomist, CIMMYT, Bangladesh	Improving Productivity and Sustainability in Drought Prone Area through Resource Conserving Technologies: Save Water and Reduce Global Warming	Yes
14.	AKM Saiful Islam <sup>1</sup> , Md. Mosharrif Hossain <sup>2</sup> , Md. Abu Saleque <sup>3</sup> , Md. Abdur Rahman <sup>3</sup> , Md. Enamul Haque <sup>4</sup> and Biswajit Karmakar <sup>3*</sup>	<sup>1</sup> PhD fellow, Dept. of FPM, Bangladesh Agricultural University, Mymensingh, Bangladesh <sup>2</sup> Bangladesh Agricultural University, Mymensingh, Bangladesh <sup>3</sup> Bangladesh Rice Research Institute, Gazipur, Bangladesh <sup>4</sup> IDE, Bangladesh	MINIMUM TILLAGE IN UNPUDDLED TRANSPLANTING OF AMAN RICE IN DROUGHT PRONE NORTH WEST BANGLADESH	Yes

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		Corresponding author's email: biswajit98@yahoo.com		
15.	M. A. Hossain	Principal Scientific Officer, Soil Resource Development Institute, Ministry of Agriculture, Krishi Khamar Sarak, Dhaka-1215, Bangladesh; Email: altajolly63@yahoo.com; Cell phone # 88-01197060097	An overview on shifting cultivation with reference to Bangladesh	
16.	M. A. Mannan	Department of Agronomy, Patuakhali Science and Technology University, Dumki, Patuakhali	FOLIAR SPRAY OF SODIUM ANTAGONISTIC ESSENTIAL MINERALS ON SOYBEAN- A TECHNIQUE TO ENHANCE SALT TOLERANCE	
17.	M. A. Mannan <sup>1</sup> and M. A. Karim <sup>2</sup>	<sup>1</sup> Department of Agronomy, Patuakhali Science and Technology University, Dumki, Patuakhali. <sup>2</sup> Department of Agronomy, Bangabandhu Sheikh Mujibur rahman agricultural University, Gazipur.	MECHANISMS OF SALINITY TOLERANCE IN SOYBEAN	
18.	M. H. Rashid <sup>1</sup> , M. K. Quais <sup>3</sup> , M. A. Muttaleb <sup>2</sup> , M. H. Ali <sup>4</sup>	<sup>1</sup> IRRI, Banani, Dhaka-1213, <sup>2,3</sup> & <sup>4</sup> Rice Farming Systems Division, BRRI, Gazipur-1701,	Enhancing the productivity of flood prone area through adoption of late T. Aman - based technology adoption	
19.	Muhammad Arif*, Hidayatullah, Mohammad Tariq Jan, Ahmad Khan and Fazal Munsif	Department of Agronomy, NWFP Agricultural University, Peshawar, Pakistan  * Corresponding author: marifkhan75@yahoo.com	Effects of sowing dates and seed rates on dual purpose wheat	Yes
20.	Tahmid Hossain Ansari <sup>1</sup> , Omar Farooq <sup>2</sup> and Makito Mori <sup>3</sup>	<sup>1</sup> Bangladesh Rice Research Institute (BRRI), <sup>2</sup> Independent University, Bangladesh; <sup>3</sup> Kochi University, Japan	Effect of seedling age and number on transplanted seedling mortality and yield components in rice in the coastal saline environment	
21.	Tahmid Hossain Ansari <sup>1</sup> , Omar Farooq <sup>2</sup> and	<sup>1</sup> Bangladesh Rice Research Institute (BRRI), <sup>2</sup> Independent University,	Effect of Zn on the seedling survival in different salinity	

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	Biswajit Karmakar <sup>1</sup>	Bangladesh.	level	
22.	M. A.T. Sohel, A. K. M. R. Islam, M. M. Hossain, J. Alam and M. K. Rahman	Bangladesh Sugarcane Research Institute, Ishurdi, Pabna, Bangladesh	PERFORMANCE OF CHEWING SUGARCANE IN HOMESTEAD UNDER FARMERS FIELD IN SOUTHERN REGION	
23.	A. K. M. R. Islam, M. K. Rahman, M. A. T. Sohel, M. J. Alam and M. S. Hossain	Bangladesh Sugarcane Research Institute, Ishurdi, Pabna, Bangladesh	EFFECTS OF DIFFERENT PLANTING MATERIALS PLACED IN PIT AND TRENCH ON SUGARCANE YIELD	
24.	M. J. Alam, M. A. T. Sohel, A. K. M. R. Islam, M. S. Hossain and M. K. Rahman	Bangladesh Sugarcane Research Institute, Ishurdi, Pabna, Bangladesh	A Study on Onion Seed Production in Paired Row Sugarcane	
25.	<sup>\$</sup> M.A.Rahman <sup>1</sup> , D.Omar <sup>2</sup> and M.H. Ullah <sup>3</sup>	<sup>1&amp; 3</sup> Regional Agricultural Resaerch Stationn (RARS), BARI, Rahmatpur, Barisal, Bangladesh, <sup>2</sup> Department of Plant Protection, Faculty of Agriculture, Universiti Putra Malaysia (UPM), Selangor 43400, Malaysia  \$ E-mail address: mohammad_ento@yahoo.com	Developmental Perspective of Organic Agriculture and IPM: A Review of Bangladesh	Yes
26.	M. A. H. Khan	Senior Scientific Officer, RARS, BARI, Jamalpur	FERTILIZER MANAGEMENT OPTIONS FOR GROUNDNUT INTERCROPPING WITH ONION	Yes
27.	<sup>1</sup> Agronomy Division, <sup>2</sup> Agri Economics Division, Bangladesh Agricultural Research Institute,  <sup>3</sup> Research and Development Farm, Supreme Seed Company Ltd., Dhaka, Bangladesh	K. Roy <sup>1</sup> , M.A.M.Mian <sup>2</sup> , B. Ahmed <sup>1</sup> , M.A. Aziz <sup>1</sup> , M.A. Hossain <sup>1</sup> and S.C. Saha <sup>3</sup>	A DIAGNOSTIC SURVEY ON CROPS AND CROPPING IN HAOR AREAS OF BANGLADESH	Yes
28.	M Amin <sup>1</sup> , M S Bhuiyan <sup>2</sup> ,	1Principal Scientific Officer, <sup>2, 3, 4 &amp; 6</sup>	Crop adaptation and on-farm	

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	A H M A Faisal <sup>3</sup> , I S M Farhad <sup>4</sup> , M A Karim <sup>5</sup> , M. A. Rahman <sup>6</sup>	Scientific Officer, OFRD, BARI, Noakhali, <sup>5</sup> Prof. BSMRAU, Gazipur	evaluation of different crops in saline soils of Noakhali	
29.	M. A.T. Sohel, A. K. M. R. Islam, M. M. Hossain, N. Islam and M. K. Rahman	Bangladesh Sugarcane Research Institute, Ishurdi, Pabna, Bangladesh	EFFECTS OF ROW SPACING ON YIELD OF SUGARCANE UNDER MODHUPUR TRACT SOILS	
30.	M. K. Rahman, A. K. M. R. Islam, M. A.T. Sohel, M. J. Alam and M. S. Hossain	Bangladesh Sugarcane Research Institute, Ishurdi, Pabna, Bangladesh	AGRONOMIC EVALUATION OF PROMISING CLONES OF SUGARCANE DEVELOPED AT BSRI	
31.	M.A.K. Mian, M.R. Islam, J. Hossain and M.S. Alam	RARS, Ishurdi 6620, Pabna	Performance of BARI released mustard, lentil and wheat varieties at charland under rainfed condition	
32.	<sup>1</sup> M.A.K. Mian, <sup>1</sup> M.R. Islam, <sup>2</sup> M.N. Islam and <sup>1</sup> J. Hossain	<sup>1</sup> RARS, Ishurdi and <sup>2</sup> BARI, Joydebpur	Estimation of Nutrient level of BARI Sarisha 11 at Charland	
33.	J.Hossain, Yasmin, A.K.M R. Amin and M.A.K. Mian	<sup>1</sup> RARS, Ishurdi and <sup>2</sup> BARI,	PERFORMANCE OF BRRI dhan 29 AS INFLUENCED BY NITROGEN APPLICATION AND SEEDLING FROM DIFFERENT METHODS	
34.	M K Alam <sup>1</sup> , M A Rashid <sup>2</sup> and M R Khan <sup>3</sup>	<sup>2</sup> Agriculture Technical Officer, <sup>2</sup> Executive Director and <sup>3</sup> Consultant Agronomist, ASPADA	Block Demonstration of Environment Friendly Technology for Higher Production of Boro Rice- A Case Study of ASPADA in Mymensingh	
35.	Dr. M.Omar Ali <sup>1</sup> , Dr.M.I.Zuberi <sup>2</sup> and Dr.Ashutosh Sarker <sup>3</sup>	<sup>1</sup> Senior Scientific Officer, PRSS, BARI, Joydebpur, Gazipur, Bangladesh <sup>2</sup> Prof. Dept. of Botany, Rajshahi University, Rajshahi, Bangladesh <sup>3</sup> Regional Co-ordinator and Food Legume Breeder, South Asia and China Program, ICARDA, New	Performance of different lentil genotypes as relay crop in transplanted aman rice under rainfed condition	

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		Delhi, India		
36.	Abdul Aziz*, Farida Begum, Rina Rani Saha, A.K.M.M.Rahman and S.N. Mahfuza	Bangladesh Agricultural Research Institute, Gazipur	SALINITY MANAGEMENT AND CROP PRODUCTION IN THE COASTAL SALINE AREA OF BANGLADESH	
37.	Abdul Aziz*, Remi Chakma, A.K.M.M. Rahman and Pryanka Roy	Bangladesh Agricultural Research Institute, Gazipur	POTENTIAL OF INCREASING CROPPING INTENSITY AND PRODUCTIVITY IN THE HILLY AREAS	
38.	M A Rahaman <sup>1</sup> , M Amin <sup>2</sup> , S M A Sattar <sup>3</sup> , I S M Farhad <sup>4</sup>	<sup>1</sup> & <sup>4</sup> Scientific Officer, <sup>2</sup> Principal Scientific Officer, OFRD, BARI, Noakhali and <sup>3</sup> Senior Research Manager, SARCCAB Project	Participatory variety selection for T. aus rice in coastal saline area of Noakhali	
39.	<sup>1</sup> M. O. Ali and <sup>2</sup> M. J. Alam	<sup>1</sup> Senior Scientific Officer, PRSS, BARI, Joydebpur, Gazipur <sup>2</sup> Scientific Officer, Pulses Research Centre, BARI, Ishurdi, Pabna	Response of Mungbean Varieties to Soil Moisture at Different Growth Stages in Kharif-I Season	
40.	A. K.Choudhury <sup>*1</sup> , M. A. Karim <sup>2</sup> , M. M. Haque <sup>2</sup> , Q. A. Khaliq <sup>2</sup> , J. U. Ahmed <sup>3</sup> and M. M. Hossain <sup>4</sup>	<sup>1</sup> On-Farm Research Division, Bangladesh Agricultural Research Institute, Joydebpur, Gazipur, Bangladesh, e-mail: <sup>2</sup> Department of Agronomy, <sup>3</sup> Department of Crop Botany, <sup>4</sup> Department of Horticulture, Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur-1706, Bangladesh	SCREENING OF FRENCH BEAN GENOTYPES FOR DROUGHT TOLERANCE IN BANGLADESH	Yes
41.	Mostafa, MG; Fakir, MSA; Prodhan, AKMA; Ashrafuzzaman, M and Seal, HP1	Department of Crop Botany, 1: Dept. of Agricultural chemistry, Bangladesh Agricultural University, Mymensingh-2202, Bangladesh, Fax: +880-91-61510, Email: fakirmsa@yahoo.com	Effect of date of harvest on yield and nutrients composition of tuber in two Cassava ( <i>Manihot esculenta</i> Crantz.) accessions	

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42.	Md. Israil Hossain <sup>1</sup> , Ilias Hossain <sup>2</sup> , M.A.A Mamun <sup>3</sup> , NA Siddiquie <sup>4</sup> and M Rahman <sup>5</sup>	<sup>1</sup> Principal Scientific Officer (Agric. Engg.),Regional Wheat Research Centre, BARI, Shyampur, Rajshahi, Bangladesh ( E-mail: mdisrail@gmail.com) <sup>2,3,4&amp;5</sup> Senior Scientific Officer, Scientific Officer, respectively of RWRC, Shyampur, Rajshahi, Bangladesh	Strip tillage seeding for utilization of residual soil moisture in dry land farming	
43.	B Karmakar <sup>*1</sup> , SM Haefele <sup>2</sup> , M A Ali <sup>1</sup> , TH Ansari <sup>1</sup> , TL Aditya <sup>3</sup> and AKM Saiful Islam <sup>3</sup>	<sup>1</sup> Bangladesh Rice Research Institute, Regional Station, Rajshahi, Bangladesh <sup>2</sup> International Rice Research Institute, Los Banos, Philippines <sup>3</sup> Bangladesh Rice Research Institute, Gazipur, Bangladesh Corresponding author's email: biswajit98@yahoo.com	Yield and yield components of rice genotypes as affected by planting time in drought prone rainfed environment	
44.	M. A. Muttaleb <sup>1</sup> ; A. K.G. Md. Enamul Haque <sup>2</sup> ; M. R. Islam <sup>1</sup>	<sup>1</sup> Senior Scientific Officer, Rice Farming Systems Division, Bangladesh Rice Research Institute, Gazipur-1701, Bangladesh. <sup>1</sup> Director General, Bangladesh Rice Research Institute, Gazipur-1701, Bangladesh . <sup>2</sup> Scientific Officer, Bangladesh Rice Research Institute, Regional Station, Habiganj-3300, Bangladesh	Performance and Adoption of BRRI dhan45 in Haor Areas of Bangladesh	
45.	M.M.R Sarker., M.R. Shaheb*, M.I. Nazrul and M. J. Hussain	On-Farm Research Division Bangladesh Agricultural Research Institute, Sylhet, Bangladesh	Crop productivity of tomato as affected by urea super granule in estern surma-kushiyara floodplain” of sylhet	
46.	M. A. Hossain <sup>1</sup> , B. K. Bala <sup>2</sup>	<sup>1</sup> Wheat Research Center, Bangladesh Agricultural Research Institute, Dinajpur, Bangladesh <sup>2</sup> Department of Farm Power and Machinery, Bangladesh Agricultural University,	Modeling the climate change impacts on rice production of the coastal zone of Bangladesh	



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		Mymensingh-2202, Bangladesh		
47.	Md. Mahbubul Alam* and Abul Fazal M Saleh	IWFM, Bangladesh University of Engineering and Technology, Dhaka-1000	Potential for Productivity Improvement through Supplementary Irrigated HYV Aus Rice in the Deltaic Tidal Plain	
48.	Md Abdul Kader* and Najrul Islam	Department of Agronomy, Bangladesh Agricultural University, Mymensingh 2202, Bangladesh	Agronomic options for improving crop productivity under salinity stressed condition in Bangladesh	
49.	M. S. Rahman <sup>1</sup> , M. Salehin <sup>2</sup> , M. A. R. Akanda <sup>3</sup> , P. K. Sarkar <sup>4</sup> , T. Farzana <sup>5</sup> and A. U. Haque <sup>6</sup>	<sup>1</sup> Scientific Officer and <sup>4</sup> Principal Scientific Officer, Irrigation & Water Management Division, BARI, Gazipur. <sup>2</sup> Professor, Institute of Water and Flood Management, BUET, Dhaka. <sup>3</sup> Principal Scientific Officer, Spices Research Centre, Bogra, BARI. <sup>5</sup> Graduate student, Bangladesh Agricultural University, Mymensingh. <sup>6</sup> Scientific Officer, Tuber Crop Research Center, BARI	Calibration and Validation of AquaCrop Model under Full Irrigation and Water Stress Condition in Bangladesh	
50.	M. H. Rashid <sup>1*</sup> , M. R. Islam <sup>3</sup> , M. A. Saleque <sup>1</sup> , M. A. Muttaleb <sup>2</sup> , S. Mondal <sup>2</sup> , M. H. Ali <sup>2</sup> S. A. Sattar <sup>1</sup> , M. Z. Abedin <sup>1</sup>	<sup>1</sup> IRRI, House # 9, Road # 2/2, Banani, Dhaka-1213, *Presenting Author <sup>1</sup> Rice farming Systems Division, BRRI, Gazipur-1701 <sup>3</sup> Plant Breeding Division, BRRI,	RICE-BASED FARMING SYSTEMS TECHNOLOGY ADOPTION FOR CLIMATE CHANGE ADAPTATION	

<sup>1</sup>IRRI, House # 9, Road # 2/2, Banani, Dhaka-1213, \*Presenting Author

<sup>2</sup> Rice farming Systems Division, BRRI, Gazipur-1701

<sup>3</sup> Plant Breeding Division, BRRI, Gazipur-1701

Sl. No.	Name of Author(s)	Institution (s)	Title of paper	Full paper
		Gazipur-1701		
51.	M. I. Nazrul*, M. A. Rahman, D. A. Chowdhury, M. A. Quayyum and M. F. Islam	On-Farm Research Division Bangladesh Agricultural Research Institute, Sylhet, Bangladesh	INTEGRATED FERTILIZER MANAGEMENT FOR WHEAT- JUTE-T. AMAN CROPPING PATTERN	