

Impact assessments and impact assessment reports of the Plant Sciences Research Programme

Title and Authors	Type†	Institutions	Assessment Methods
PARTICIPATORY CROP IMPROVEMENT			
<u>Eastern India</u>			
Impact of new upland rice varieties in Eastern India: Evidence from whole village surveys. (2005) A Mottram Stand alone report (pdf file of presentation submitted to LTS)	<i>External, Ex-post</i>	CAZS non-project staff member.	Mapping. Focus group discussions (FGDs). Interviews with key informants.
Participatory crop improvement in Eastern India: An impact assessment. (2004) DS Virk, VA Bourai, A Choudhary, M Misra & JR Witcombe PSP Annual Report for 2003.	<i>Mixed, Ex-post</i>	Sri Guru Ram Rai College, Dehradun, India. CAZS.	Field survey of 159 farmers in 2002. Report of sub-sample of 36 farmers from 150 surveyed in 2004. Financial analysis
Participatory crop improvement in Eastern India: A preliminary impact assessment. (2002) VA Bourai, A Choudhary & M Misra Stand-alone report commissioned by PSP (2002). Published in 2003 PSP Annual Report (adapted and summarised by CAZS).	<i>External, Ex-post</i>	Sri Guru Ram Rai College, Dehradun, India.	Field survey of 159 farmers in 2002. Financial analysis.
<u>Nepal</u>			
Delivering impacts from participatory crop improvement projects in Nepal. (2004) KD Joshi, S Biggs, KP Devkota & S Gyawali. PSP Annual Report for 2003.	<i>Mixed, Ex-post</i>	Dr Stephen Biggs, ICIMOD. CAZS. LI-BIRD.	Examines institutional impacts by actor-oriented analysis.

† Impact assessment done by external, independent institution or consultant (External), by project scientists (Project) or by both (Mixed).

Title and Authors	Type	Institutions	Assessment Methods
Participatory crop improvement in the low-altitude regions of Nepal. Impact assessment working document 6.2 October 2004 JR Witcombe, KD Joshi, S Gyawali, K Devkota and A Subedi Stand-alone report CAZS and LI-BIRD. Earlier version published as: An impact assessment of participatory crop improvement in the low-altitude regions of Nepal. (2003) JR Witcombe, KD Joshi, S Gyawali & A Subedi PSP Annual Report for 2002	<i>Project,</i> <i>Ex-post</i>	LI-BIRD. CAZS.	Over 3000 households in 34 villages in Chitwan and Nawalparasi. Interviews with key actors from other organisations. In-depth interviews. Compilation of seed distribution.
An evaluation of participatory crop improvement in Nepal. (1998) Matthew Lining A final report by DTZ Pieda Consulting for DFID	<i>External,</i> <i>Ex-post/</i> <i>Ex-ante</i>	External DTZ assessment.	
<u>Bangladesh</u> Short duration rice varieties for the High Barind Tract of Bangladesh: the initial impact of varieties from client oriented breeding and selection in Nepal. (2004) KD Joshi, A Musa, C Johansen, D Harris, KP Devkota, S Gyawali & JR Witcombe Stand alone report. Summary in Annual Report for 2004.	<i>Project,</i> <i>Ex-post</i>	LI-BIRD. PROVA. CAZS.	Field surveys
<u>India</u> Institutionalisation of the outputs of a participatory crop improvement project in Gujarat, India. (2004) A Mondal In PSP Annual Report for 2003.	<i>Project,</i> <i>Ex-post</i>	ASA.	Summary of institutional uptake written by lead actor.

Title and Authors	Type	Institutions	Assessment Methods
Ghana			
Testing drought-tolerant plant types of upland rice in Ghana using participatory methods. (2004) PQ Craufurd, A Opoku-Apau, IK Bimpong, PT Dorward & KA Marfo Compilation of Annual Report for 1999 and 2003 Final Technical Report submitted to LTS.	<i>Project, Ex-post</i>	Univ. Reading. CRI, Kumasi, Ghana. SARI, Tamale, Ghana.	Adoption studies by project staff as a project component from a survey of 2500 farmers.
REPLACING FALLOWS AFTER RICE			
Rainfed <i>rabi</i> cropping in rice fallows – Chickpea in Eastern India. (2004) Centre for Arid Zone Studies, Catholic Relief Services & Gramin Vikas Trust Development Brief.	<i>Project Ex-ante</i>	CAZS. GVT. CRS.	Synthesis of results from field trials.
Rainfed <i>rabi</i> cropping in rice fallows of Nepal – Summary of impacts. (2004) D Harris, N Khanal, KD Joshi & JV DK Kumar Rao PSP Annual Report for 2003.	<i>Project, Ex-post</i>	CAZS. FORWARD. ICRISAT.	Questionnaire completed by nearly 400 households.
Impact Assessment Study for the DFID-funded Project R7540 ‘Promotion of chickpea following rainfed rice in the Barind area of Bangladesh’. (2003) AK Saha Stand-alone consultants report of 2002. Summarised in Annual Report for 2002.	<i>External, Ex-post</i>	Agricultural Research and Rural Development, Dhaka, Bangladesh.	Field surveys on adoption and impact using stratified sample on 80 farming households. Economic analysis of returns to new crops.
Socioeconomic constraints and opportunities in rainfed <i>rabi</i> cropping in rice fallow areas of India. (2002) PK Joshi, PS BIRTHAL & VA BOURAI Stand-alone report	<i>External, Ex-ante</i>	National Centre for Agricultural Economics and Policy Research, New Delhi.	Survey of over 300 farmers in 5 states of eastern India.

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REPLACING FALLOWS AFTER RICE – continued			
Socioeconomic constraints and opportunities in rainfed <i>rabi</i> cropping in rice fallow areas in Nepal. (2002) VA Bourai, KD Joshi & N Khanal Stand alone report	<i>Mixed, Ex-ante</i>	Sri Guru Ram Rai College, Dehradun, India. CAZS.	About 150 farmers surveyed in 4 eastern districts of Nepal.
Spatial distribution and quantification of rice-fallows in South Asia – potential for legumes. (2001) GV Subbarao, JVDK Kumar Rao, J Kumar, C Johansen, UK Deb, I Ahmed, MV Krishna Rao, L Venkataratnam, KR Hebbar, MVR S Sai & D Harris Published by ICRISAT	<i>Project, Ex-ante</i>	ICRISAT. National Remote Sensing Agency (NRSA).	Remote sensing, database interrogation and ground truthing.
MARKER-ASSISTED SELECTION IN PEARL MILLET			
Marker-assisted selection for downy mildew resistance and drought tolerance in pearl millet. (2004) CT Hash, RS Yadav, A Sharma, FR Bidinger, KM Devos, MD Gale, CJ Howarth, S Chandra, GP Cavan, R Serraj, PS Kumar, WA Breese & JR Witcombe Annual Report for 2003.	<i>Project, Ex-ante</i>	ICRISAT. JIC. CAZS. IGER. HAU. TNAU.	Field surveys Government data
TRANSGENICS			
Broadly based resistance to nematodes in the rice and potato crops of subsistence farmers. (2001) P-L Amoussou, J Ashurst, J Bridge, J Green, M Jones, M Koyama, JW Snape & HJ Atkinson	<i>Project, Ex-ante</i>	JIC. CABI. WARDA. Univ. Leeds	Literature review of production losses from nematodes in developing countries.