



BHUTAN

Irrigated crop calendar

2007

Irrigated crops	Area 1000 ha	Crop area as percentage of the full control actually irrigated area by month											
		J	F	M	A	M	J	J	A	S	O	N	D
Rice one	27.4						99	99	99	99	99		
Rice two	3.0	11	11	11								11	11
Potatoes	0.5	2	2	2								2	2
Harvested irrigated crop area [AHI_{full}]	30.9												
Area equipped for full control irrigation actually irrigated [AAI_{full}]	27.7	13	13	13	0	0	99	99	99	99	99	13	13
Cropping intensity (%) = 100 x [AHI_{full}]/[AAI_{full}]	112												
Area equipped for full control irrigation [AEI_{full}]	27.7												
% of full control equipped actually irrigated = 100 x [AAI_{full}]/[AEI_{full}]	100												
Total area equipped for irrigation [AEI_{tot}]	27.7												

Narrative

The new figure for AEI_{tot} and AEI_{full} (27 685 ha) is based on a national project report (MOA, 1995). It is considered that AEI_{full} and AAI_{full} and are equal in 2007 as confirmed through country feedback. AHI_{full} is estimated at 30 900 ha to account for the double cropping of paddy, which is limited to the lowest altitudes where the temperatures during the winter allow its cultivation. The resulting cropping intensity is 112 percent. The main irrigated crops are rice (98 percent) and potatoes (2 percent). The main irrigation period is from June to October, during the monsoon season.

References

Ministry of Agriculture [MOA]. 1995. Land Use planning Project. Bhutan.