

### CROP PRODUCTION AND MANAGEMENT

Sl.No	Problem Identified	Specific farming situation for which technology is developed	Crop/ Animals etc	Breed/Variety	Specific Technology	Yield
1	Low productivity of maize	Mid hill uplands	Maize	RCM 1-1,RCM 1-2, RCM 1-3	Variety	5.5t/ha, 4.5t/ha, 5.5t/ha
2	Low productivity in upland	Mid hill uplands	Soybean	RCS – 1, RCS - 2	Variety	2.8t/ha
3	Fallow land in rabi season	Mid Hills upland and lowland without standing water	Pea	TRCP – 8, TRCP - 9	Variety	0.9t/ha
4	Stagnated high altitude rice production	High altitude lowland	Rice	RCPL1-10C	Variety	3.5t/ha
5	Optimum dose nutrients for rice, maize, wheat, soybean, ragi and mustard etc.	Low and mid hills of Sikkim	Rice, maize, wheat, soybean, ragi and mustard	Nil	Inorganic fertilizer dose for getting higher grain yields. As the state has been declared as organic one, so the dose of organic nutrients to be evaluated for various crops	Nil

6	Low yield of crops in hills and foothills	Rainfed farming	Rice and groundnut Maize and groundnut	RC Maniphou-6 & ICGV-8659 Mahikanchan & ICGS-76	Rice & groundnut intercropping system (2:1) Maize & groundnut intercropping system (1:2)	MEY 20.00
7	Lack of improved variety for single crop situation for acid soils	Rainfed monocropping situation	Groundnut	ICGV-86590	Identified as acid tolerant high yielding variety	20.00
8	Improper spacing and time of sowing	Rainfed mono cropping situation	Soybean	NRC-20	Sowing on 1 <sup>st</sup> week of June at 30 x 10cm spacing	17.00