

SCI Adaptations Made for Wheat

Practice	Conventional	SWI
Young seedling	Broadcasting	Direct seed sowing / transplanting
Wider spacing	-	P to P : 20 - 25cm R to R: 20 – 25 cm
Single seedling / hill	-	1-2 seed/seedling per hill
Inter-cultivation	1+ manual weeding	2+ manual weeding and weeder
Organic matter	Compost+ chemical fertilizer	Compost + PAM*

*PAM: Panchgavya, Amritghol, Matkakhad



SCI Trials with Wheat and Other Crops – PSI, Dehradun

	2006			2007			2008		
Crop	No. of farmers (ha area)	Conv. yield (t/ha)	SCI yield (t/ha)	No. of farmers (ha area)	Conv. yield (t/ha)	SCI yield (t/ha)	No. of farmers (ha area)	Conv. yield (t/ha)	SCI yield (t/ha)
Wheat (Irrig.)	Research Farm (5.0)	1.6	2.2 (38%)	30 (0.224)	2.35	4.25 (81%)	557 (14.5)	2.44	4.8 (97%)
Wheat (Unirrig.)	-	-	-	19 (0.086)	1.55	2.5 (61%)	491 (6.7)	1.77	3.21 (81%)
<i>Mandwa</i> (finger millet)	5 (0.4)	1.4	2.0 (43%)	5 (0.40)	1.8	2.4 (33%)	43 (0.8)	1.5	2.4 (60%)
<i>Rajma</i> (kidney beans)	5 (0.4)	1.8	2.4 (33%)	5 (0.40)	1.4	2.0 (43%)	113 (2.26)	1.8	3.0 (67%)