

Pest Management Practices – Percent of Farms & Percent of Acres Utilizing Practice, Barley, 2011

Practice	Barley			
	Percent of acres utilizing practice		Percent of farms utilizing practice	
	PA	Program states 2011 ¹	PA	Program states 2011 ¹
Avoidance Practices:				
Crop/plant variety chosen for specific pest resistance	34	26	19	20
Planting locations planned to avoid cross infestation of pests	9	13	18	11
Planting/harvesting dates adjusted	14	18	10	11
Rotated crops during past 3 years	86	70	82	68
Row spacing, plant density, or row directions adjusted	11	16	7	9
Monitoring Practices:				
Diagnostic laboratory services used for pest detection via soil/plant tissue analysis	2	8	3	5
Field mapping data used to assist decisions	8	9	6	7
Scouted, established process use	7	14	8	12
Scouted for pests due to a pest advisory warning	3	5	1	4
Scouted for pests due to a pest development model	10	5	7	4
Scouted for pests or beneficial organisms	69	92	69	83
<i>By conducting general observations while performing routine tasks</i>	16	25	23	26
<i>By deliberately going to the crop acres or growing areas</i>	53	67	46	56
Scouted for disease	37	76	36	58
<i>By employee</i>	1	6	2	3
<i>By farm supply company or chemical dealer</i>	20	14	18	15
<i>By independent crop consultant or commercial scout</i>	24	11	19	12
<i>By operator, partner, or family member</i>	54	69	61	70
Scouted for insects & mites	36	71	33	55
<i>By employee</i>	1	6	2	3
<i>By farm supply company or chemical dealer</i>	21	13	20	14
<i>By independent crop consultant or commercial scout</i>	26	12	24	13
<i>By operator, partner, or family member</i>	52	70	54	69
Scouted for weeds	69	92	69	82
<i>By employee</i>	1	5	1	2
<i>By farm supply company or chemical dealer</i>	11	12	10	13
<i>By independent crop consultant or commercial scout</i>	23	9	21	10
<i>By operator, partner, or family member</i>	66	74	67	75
Weather data used to assist decisions	18	57	26	37
Written/electronic records kept to track the activity of pests	19	18	16	15
Prevention Practices:				
Beneficial insect/vertebrate habitat maintained	3	8	4	6
Crop Residues removed/burned down	12	12	16	11
Equipment & implements cleaned after field work to reduce spread of pests	21	45	26	33
Field edges, ditches, or fence lines were chopped, sprayed, mowed, plowed, or burned	48	35	46	34
Field left fallow previous year to manage insects	0	3	0	2
Flamer used to kill weeds	0	2	0	2
No-till/minimum till used	84	60	74	55
Plowed down crop residue using conventional tillage	10	34	19	35
Seed treated for insect/disease control after purchase	32	43	32	31
Water management practices used	(Z)	4	1	4
Suppression Practices:				
Beneficial organisms applied/released	(Z)	1	1	(Z)
Biological pesticides applied	0	(Z)	0	(Z)
Buffer strips/border rows maintained to isolate organic from non organic crops	1	2	2	2
Floral lures/attractants/repellants/pheromone traps/biological pest controls used	0	(Z)	0	(Z)
Ground covers/mulches/other physical barriers maintained	53	45	43	40
Pesticides with different mechanisms of action used to keep pest from becoming resistant to pesticides	3	32	4	17
Scouting data compared to published information to assist decisions	17	14	16	11
Trap crop grown to manage insects	0	(Z)	0	(Z)

¹ The Program States consist of: Arizona, California, Colorado, Idaho, Minnesota, Montana, North Dakota, Oregon, **Pennsylvania**, Virginia, Washington, Wisconsin, and Wyoming. (Z) is displayed for estimates less than half of the unit shown.