

## Pest Management Practices – Percent of Farms & Percent of Acres Utilizing Practice, Corn & Organic Corn, 2010

Practice	Corn				Organic corn			
	Percent of acres utilizing practice		Percent of farms utilizing practice		Percent of acres utilizing practice		Percent of farms utilizing practice	
	PA	Program states 2010 <sup>1</sup>						
<b>Avoidance Practices:</b>								
Crop/plant variety chosen for specific pest resistance	71	60	60	54	36	33	58	31
Planting locations planned to avoid cross infestation of pests	37	18	30	16	26	39	24	28
Planting/harvesting dates adjusted	11	15	14	14	32	64	31	61
Rotated crops during past 3 years	32	71	45	65	80	84	75	64
Row spacing, plant density, or row directions adjusted	6	13	8	12	19	34	20	29
<b>Monitoring Practices:</b>								
Diagnostic laboratory services used for pest detection via soil/plant tissue pest analysis	2	5	4	4	0	2	0	1
Field mapping data used to assist decisions	7	11	8	10	4	18	7	9
Scouted, established process use	28	17	18	14	0	12	0	5
Scouted for pests due to a pest advisory warning	2	7	5	6	0	4	0	1
Scouted for pests due to a pest development model	21	6	18	6	2	2	2	2
Scouted for pests or beneficial organisms	89	90	83	84	53	84	76	86
<i>By conducting general observations while performing routine tasks</i>	21	27	34	29	23	31	47	39
<i>By deliberately going to the crop acres</i>	68	63	49	55	30	53	29	47
Scouted for disease	63	53	50	43	22	40	18	33
<i>By employee</i>	0	1	0	2	0	2	0	1
<i>By farm supply company or chemical dealer</i>	13	10	18	13	0	0	0	0
<i>By independent crop consultant or commercial scout</i>	35	18	17	17	3	4	12	3
<i>By operator, partner, or family member</i>	52	70	64	68	97	94	88	96
Scouted for insects & mites	56	58	52	48	35	48	30	47
<i>By employee</i>	0	1	0	1	0	2	0	1
<i>By farm supply company or chemical dealer</i>	14	9	17	12	0	0	0	0
<i>By independent crop consultant or commercial scout</i>	40	18	20	16	2	5	7	2
<i>By operator, partner, or family member</i>	46	72	63	71	98	93	93	97
Scouted for weeds	88	88	80	83	53	83	76	85
<i>By employee</i>	0	1	0	1	0	2	0	1
<i>By farm supply company or chemical dealer</i>	10	6	12	9	0	0	0	0
<i>By independent crop consultant or commercial scout</i>	28	12	15	11	1	3	3	1
<i>By operator, partner, or family member</i>	62	80	73	79	99	95	97	98
Weather data used to assist decisions	47	61	58	54	0	1	0	1
Written/electronic records kept to track the activity of pests	14	17	17	16	8	21	10	18
<b>Prevention Practices:</b>								
Beneficial insect/vertebrate habitat maintained	6	11	9	9	13	21	17	13
Crop Residues removed/burned down	13	5	12	6	3	4	13	4
Equipment & implements cleaned after field work to reduce spread of pests	33	33	26	30	65	55	50	46
Field edges, ditches, or fence lines were chopped, sprayed, mowed, plowed, or burned	37	44	42	40	34	48	54	47
Field left fallow previous year to manage insects	0	(Z)	0	(Z)	0	7	0	1
Flamer used to kill weeds	(Z)	1	1	1	0	23	0	16
No-till/minimum till used	75	62	71	61	9	23	29	15
Plowed down crop residue using conventional tillage	9	25	21	27	96	73	91	84
Seed treated for insect/disease control after purchase	3	19	7	16	0	4	0	4
Water management practices used	0	3	0	2	0	7	0	1
<b>Suppression Practices:</b>								
Beneficial organisms applied/released	0	(Z)	0	(Z)	0	1	0	1
Biological pesticides applied	5	9	4	6	0	0	0	0
Buffer strips/border rows maintained to isolate organic from non organic crops	5	5	8	5	67	69	37	59
Floral lures/attractants/repellants/pheromone traps/biological pest controls used	(Z)	(Z)	(Z)	(Z)	0	1	0	(Z)
Ground covers/mulches/other physical barriers maintained	54	34	49	32	70	60	48	51
Pesticides with different mechanisms of action used to keep pest from becoming resistant to pesticides	27	27	26	24	0	0	0	0
Scouting data compared to published information to assist decisions	33	24	22	18	1	12	2	4
Trap crop grown to manage insects	(Z)	2	1	2	0	(Z)	0	(Z)

<sup>1</sup> Data for corn and organic corn was provided by the following program states through the 2010 Agricultural Resource Management Survey, Phase II (ARMS II): Colorado, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri, Nebraska, New York, North Carolina, North Dakota, Ohio, Pennsylvania, South Dakota, Texas, and Wisconsin.