Appendix IV—Pest Management Questions from the 1996 ARMS Survey - Corn

9.	Was one of these pest resistant varieties of seed used in this field [Show respondent Seed Variety Code List in Respondent Booklet. Choose one and enter code.]
1 2	an herbicide resistant hybrid or variety (such as Pioneer 3162R, Beck's 6868IRT)? a Bt variety for insect resistance, (such as Nature Guard or Maximizer with Knockout)? a gray leaf spot resistant variety?
5	none of these?
Sec [.]	tion F - Pesticide Applications
Sec :	tion F - Pesticide Applications Were any herbicides, insecticides, fungicides or other chemicals used on this field for the 1996 corn crop?
	Were any herbicides, insecticides, fungicides or other chemicals
	Were any herbicides, insecticides, fungicides or other chemicals used on this field for the 1996 corn crop?
1.	Were any herbicides, insecticides, fungicides or other chemicals used on this field for the 1996 corn crop? YES - [Continue.] NO - [Go to Section G.]
1.	Were any herbicides, insecticides, fungicides or other chemicals used on this field for the 1996 corn crop? WES - [Continue.] NO - [Go to Section G.]
 2. 3. 	Were any herbicides, insecticides, fungicides or other chemicals used on this field for the 1996 corn crop? WES - [Continue.] NO - [Go to Section G.]
 2. 3. 4. 	Were any herbicides, insecticides, fungicides or other chemicals used on this field for the 1996 corn crop? WES - [Continue.] NO - [Go to Section G.]

			,		
9. How was this product applied?					
		[Choose one and enter code.]	·		
			•		
	1	Broadcast, ground without incorporation			
	2	Broadcast, ground with incorporation			
	3	Broadcast, by air	CODE		
	4	In Seed Furrow			
	5	In irrigation water			
	6	Chisel/Injection or knifed in			
	7	Banded in or Over Row			
	8	Foliar or Directed spray			
	9	Spot treatments			
.1		The state of the s			
10.		How many acres in this field were treated with this product?			
11.		Were these applications made by- 1. Operator, Partner, Family member? 2. Custom applicator? 3. Employee/Other?			
12.		What was the PRIMARY target pest for this application?			
		•			
		· · · · · · · · · · · · · · · · · · ·			

	Section G - Pest Management Practices				
	1.	Now I field f	I have some questions about your pest ma for the 1996 corn crop. By pests, we me	nnagement decis an WEEDS, IN	sions and practices used on this SECTS and DISEASES.
	2.	Let's	begin with questions about scouting this	field for pests.	
			1	Was the corn field scouted for [column 1]	3 [For rows with YES =1, ask] Was most of the scouting for [column 1] done by 1 Operator, Partner or Family member? 2 an Employee? 3 Farm supply or Chemical dealer? 4 Crop consultant or Commercial scout?
			·	YES=1	Commercial scout? CODE
a.	v	weeds			
b.	i	nsects			1997-1997
c.		liseases		, .	
	5.	Were to trac	only if field was SCOUTED (column 2 of written or electronic records kept for this ck the activity or numbers of	i field	, cise go to item o.
,		a.	broadleaf weeds?		YES = 1
		b.	grass weeds?		YES = 1
		d.	black cutworms?	• • • • • • • • • • • • • • • • • • • •	YES = 1
		e.	corn rootworms?	• • • • • • • • • • • • • • • • • • • •	YES = 1
		f.	European corn borers?		YES = 1
		g.	spider mites?		YES = 1
	6.	[Ask o Sectio Did ye	only if HERBICIDES (pesticide codes 400 on F , item 1 column 2; else go to item 11. ou apply herbicides to this field BEFORE	00 - 4999) were (weeds emerge	entered in ed?CODE

YES - [Enter code 1 and continue.]

NO - [Go to item 8.]

7.	Did you decide to use pre-emergence herbicides based on		
	a.	a routine treatment for weed problems experienced in previous years? YES = 1	
	b.	field mapping of previous weed problems? YES = 1	
	c.	a computerized decision model? YES = 1	
	d.	recommendations from an independent crop consultant? YES-1	
8.	Did yo	u apply herbicides to this field AFTER weeds emerged?	
		YES - [Enter code 1 and continue.] NO - [Go to item	
9.	Did yo	u decide to use post-emergence herbicides based on	
	a.	a routine treatment?	
	b.	type and/or density of weed(s) present? YES = 1	
	c.	a computerized decision model?	
	d.	recommendations from an independent crop consultant? YES = 1	
10.	Were a	any weeds on this field resistant to	
	a.	Atrazine, Aatrex, Bladex, Extrazine, Princep, Simazine or other TRIAZINE family herbicides? YES = 1	
	b.	Account, Beacon, Classic, Pinnacle, Pursuit, Septer or other ALS family herbicides?	
11.	Do yo	u routinely use a soil insecticide at planting time to l corn rootworm on this field?	
		YES - [Enter code 1 and go to item 14.] \[NO - [Continue.] \	
	a.	Did you scout this field for adult corn rootworm beetles during the 1995 growing season to determine the need for a soil insecticide at planting?	
-		YES - [Enter code 1 and go to item 14.] [Continue.]	
	b.	Did you scout for adult corn rootworm beetles during the 1996 growing season to determine the need for a soil insecticide?	
		YES - [Enter code 1 and continue.] NO - [Continue.]	

14.				
			2	[If YES = 1 in column 2, ask] Was your main reason for doing this to control
				1 WEEDS 2 INSECTS 3 BOTH
	Did yo		YES=1	CODE
a.		ol pests on this field by adjusting pacing or plant density?		
b. 		e (or control) pests by adjusting ng dates on this field?		
c.	pestici	ol pest resistance by alternating ides on this field from year to year? pesticides from different families.)		
d.	practic and/or roadw	pests from spreading into this field by using ces such as tilling, mowing, burning, r chopping of field edges, lanes or vays?		
e.	contro practio or irri	ol pests on this field by using water management ces, such as controlled drainage gation scheduling? [Exclude chemigation.]		
f.	reduce	e the spread of pests to or from this field by ng the harvesting and tillage implements?		
16.	Did y	Юμ		CODE
10.	a.	have a biological soil analysis done on this field presence of soil pests, such as insects, diseases or nemator		e
	b.	consider beneficial insects in selecting and usin on this field?	g pesticides	
	c.	remove weeds in infested areas in this field to prevent insect egg laying?		
	d.	use seed treatments for seedling blight control?	• • • • • • • • • • • • • • • • • • • •	YES = 1
	e.	submit diseased plants from this field to a lab for	or diagnosis?	YES = 1
17.	Did y	ou		<u> </u>
			ield?	VES = 1
	a.	purchase and release beneficial insects in this fi		11.20
	a. b.	use pheromone lures in this field to monitor for [Include traps and bait sticks.]	black cutwo	orm?

19. What was your primary outside source of information on pest management recommendations for the 1996 corn crop? [Ask the respondent to look at Pest Management Information Sources Code List in Respondent Booklet. Choose one and enter code.]						
	PEST MANAGEMENT INFORMATION SOURCES CODE LIST					
	1	Extension Advisor, Publications or Demonstrations (County, Cooperative or University)				
	2	Farm Supply or Chemical Dealer				
	3	Commercial Scouting Service	CODE			
	4	Crop Consultant or Pest Control Advisor				
	5	Other Growers or Producers				
	6	Producer Associations, Newsletters or Trade Magazines				
	7	Television or Radio Programs, Newspapers				
	8	Electronic Information Services (World Wide Web, DTN, etc.)				
	9	Other				
	10	None				
Sec win	Section G - Pest Management Practices - for soybeans, cotton, fall potatoes, winter wheat, spring wheat, and durum wheat.					
12.	Did you decide to apply OR not apply insecticides to the soybean field based on					
	a.	scouting data compared to University or Extension guilelines for infestation thresholds? YF	ES = 1			
	b.	standard practices or history of insect problems? Y	ES = 1			
	c.	local information (from other farmers, radio, TV, newsletters, etchat the pest was or was not present?Y	c.) ES = 1			
	d.	your (the operator's) own determination of the infestation level?	ES = 1			