

States	NH	ME	MA	CT	total	
Number of Surveys Entered		6	2	15	15	38
A1: Acres of Pears		6.85	38	35.4	63	143.25
Number of "No" Surveys per State		31	5	44	15	95

A2: Over the past 5 years, what is your average production per acres?
N=35

Average Production per acre 205

A3: What percentage of your pears is sold through each of these market

N=36	#response:	percent	acres
processing	2	1.5602094	2.235
fresh market retail	33	32.910995	47.145
U-pick	10	3.2181501	4.61
fresh market, wholesale	19	61.336824	87.865
Other	2	0.1012216	0.145
Total		99.1274	142

Horticultural Management
B1: Which of the following pruning practices do you use?

N=38

	#responses
Dormant pruning	37

Summer pruning	8
Removal of diseased wood	27
Removal and destruction of pruning	20
Chop pruning on orchard floor	18
Other (burn brush)	2

B2: Do you leaf analysis to determine fertilizer in most years?

N=38

#response: % Responses

Yes	12	31.58
No	26	68.42

If yes, how frequently

1 time each year	3
More than 1 time per year	1
Every other year	2
Every third year	6
Other	2

B3: Which of the following describe your planting densities?

N=37

#response: # of acres percent of acres

Fewer than 100 trees/acre	21	36.7	25.619546
100-200 trees/acre	18	95.675	66.788831
More than 200 trees/acre	2	9.975	6.9633508
total		142.35	99.371728

C1: Please estimate your average pesticide use in a typical year:

N=37

#response: Average Number of sprays

Number of times you spray for insects	36	5.36
Number of times you spray for mites	31	1.42
Number of times you spray for diseases	34	5.99
Number of times you spray for weeds	36	1.26

C2: Which of these pest requires routine, annual control, is an occasional pest requiring control, or is rarely a problem on your farm?

N=37

	#Response	Routine	Occasional	Rarely	Never
Pear psylla	37	34	2	1	0
Pear midge	32	4	4	22	2
European red mite	33	8	13	11	1
Two-spotted mite	31	6	10	14	1
Pear rust mite	33	11	6	13	3
Plum curculio	35	22	9	3	1
Tarnished plant bug	35	16	15	3	1
Fire blight	35	12	6	13	4
Pear scab	36	17	9	7	3
Sooty blotch	34	15	11	6	2
Fly speck	32	13	8	8	3
Weeds	27	20	4	2	1
Other insects	4	2	1	1	0

Other disease	3	4	2	0	0
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C3: Please indicate the importance of weather information to your pest management decision making
N=37

	#Response: Frequently Occasional No			
Forecasts for next rain	37	26	9	2
Temperature and humidity	34	12	15	7
Temperature data to run degree day models	34	6	9	19
leaf wetness/temperature data	34	7	11	16
Rainfall total (for effect on spray residue)	35	14	18	3

C4: If weather information was readily available, would you use it for:
N=37

	#Response: Yes No		
Forecasts for next rain	37	32	5
Temperature and humidity	34	24	10
Temperature data to run degree day models	33	15	18
leaf wetness/temperature data	36	19	17
Rainfall total (for effect on spray residue)	35	27	8

C5: What factors do you consider when choosing pesticides for use on your farms?

N=37

	#Response: Very	Somewhat	Not	
Toxicity of materials	37	25	11	1
Potential environmental impacts	37	27	9	1
Safety of packaging	37	18	15	4
Cost per acre/unit	37	24	12	1
Effectiveness	37	37	0	0
Impact of non-target organisms	37	27	9	1
Phytotoxicity	37	30	7	0

D1: Pear Psylla

#Responses	37
Acres treated	142.9
Percent of acres treated	99.76

Pesticide used	#Acres Treated	Percent of /	#Response: Yes	No	#Response: Full	Reduced	#Response: Excellent	Good	Poor			
Oil	138.4	96.61	34	34	0	34	28	6	34	8	25	1
Lorsban 4E	62.75	43.8	20	9	11	8	5	3	7	3	3	1
Mitac W	52.4	36.58	23	13	10	12	6	6	14	4	9	1
Asana XL	83.25	58.12	22	8	14	8	5	3	8	3	4	1
Pounce 3.2 EC	5.5	3.84	20	5	15	5	3	2	6	2	4	0
Ambush 25W	39.4	27.5	16	4	12	4	2	2	4	2	2	0
Imidan 70WSB	44.15	30.82	23	16	7	13	5	8	16	4	8	4
Other Pesticide1	61.25	42.76	16	16	0	15	11	4	14	8	5	1
Other Pesticide2	2.5	1.75	2	2	0	2	2	0	2	1	1	0

D2: Pear Midge

#Responses	30
Acres treated	91.75
Percent of acres treated	64.05

Pesticide used	#Acres Treated	Percent of /	#Response: Yes	No	#Response: Full	Reduced	#Response: Excellent	Good	Poor			
Guthion	91.5	63.87	13	10	3	10	7	3	10	8	2	0
Other	0.25	0.18	2	1	1	1	1	0	1	0	1	0

D3: Mites
#Responses 32
Acres treated 111
Percent of acres treated 77.49

Pesticide used	#Acres Treated	Percent of /	#Response: Yes	No	#Response: Full	Reduced	#Response: Excellent	Good	Poor			
Superior Oil	111	77.49	25	24	1	20	19	1	20	11	9	0
Vendex	8.5	5.93	3	2	1	1	0	1	1	1	0	0
Thiodan	47	32.81	4	3	1	3	0	3	3	1	2	0
Other	40	27.92	5	5	0	4	4	0	5	2	3	0

D4: Plum Curculio
#Responses 33
Acres treated 115.4
Percent of acres treated 80.56

Pesticide used	#Acres Treated	Percent of /	#Response: Yes	No	#Response: Full	Reduced	#Response: Excellent	Good	Poor			
Guthion	97.4	68	22	18	4	17	9	8	18	11	7	0
Imidan	54.65	38.15	16	15	1	15	8	7	12	4	8	0
Other	2.25	1.57	3	2	1	2	2	0	2	1	1	0

D5: Tarnished Plant bug
#Responses 32
Acres treated 116.4
Percent of acres treated 81.26

Pesticide used	#Acres Treated	Percent of /	#Response: Yes	No	#Response: Full	Reduced	#Response: Excellent	Good	Poor			
Guthion	100.65	70.26	20	16	4	15	7	8	15	7	8	0
Imidan	51.4	35.88	14	12	2	12	5	7	11	1	10	0
Thiodan	38	27.53	7	3	4	3	0	3	3	2	1	0

Other	3.25	2.27	2	2	0	2	1	1	2	0	2	0
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Disease Management

E1: Fire Blight

#Responses	33
Acres treated	62.65
Percent of acres treated	43.74

Pesticide used	#Acres Treated	Percent of Acres Treated	#Response: Yes	No	#Response: Full	Reduced	#Response: Excellent	Good	Poor			
Agri-mycin	8.4	5.86	9	6	3	6	5	1	4	0	4	0
Mycoshield	0	0	4	0	4	0	0	0	0	0	0	0
Bordeaux plus oil	0	0	3	0	3	0	0	0	0	0	0	0
Kocide plus oil	35.65	24.89	8	6	2	5	5	0	5	3	2	0
COCS plus oil	6	4.19	8	4	4	4	1	3	3	1	2	0
Other	0	0	0	0	0	0	0	0	0	0	0	0

Cultural practices used	#Response: Excellent	Good	Poor	
Prune out infected tissue	18	7	11	0
Sterilize pruning tools	9	2	7	0
Reduce nitrogen fertilizer	11	1	9	1
Resistant varieties	5	1	2	2

E2 Pear Scab

#Responses	33
Acres treated	118.65
Percent of acres treated	82.83

Pesticide used	#Acres Treated	Percent of Acres Treated	#Response: Yes	No	#Response: Full	Reduced	#Response: Excellent	Good	Poor			
Ferbam	5.25	3.67	8	3	5	3	1	2	3	1	2	0
Dithane M 45	59	41.19	10	7	3	7	4	3	7	3	4	0
Dithane WSP	14.65	10.23	8	5	3	5	4	1	5	3	2	0
Penncozeb 70 DF	64.5	45.03	11	7	4	7	5	2	7	7	0	0
Penncozeb 80 WP	4	2.79	5	1	4	1	1	0	0	0	0	0
Sulfur	0	0	4	0	4	0	0	0	0	0	0	0

Manzate	19.5	13.61	11	8	3	8	5	3	7	2	5	0
Ziram	9.15	6.39	9	6	3	6	3	3	4	3	1	0
Other	13.25	9.25	4	4	0	4	4	0	4	3	1	0

E3: Sooty Blotch & Fly

Speck

#Responses	32
Acres treated	124.9
Percent of acres treated	87.19

Pesticide used	#Acres Treated	Percent of Acres Treated	#Response: Yes	No	#Response: Full	Reduced	#Response: Excellent	Good	Poor			
Dithane M 45	14	9.77	7	5	2	5	3	2	5	2	3	0
Dithane WSP	39	27.23	7	5	2	5	5	0	5	4	1	0
Penncozeb 70 DF	30.5	21.29	10	7	3	7	4	3	7	5	2	0
Penncozeb 80 WP	39	27.23	5	2	3	2	2	0	1	1	0	0
Manzate	16.5	11.52	8	6	2	6	4	2	6	1	5	0
Ziram	34.4	24.01	8	6	2	5	3	2	5	2	3	0
Other	17.5	12.22	6	6	0	5	4	1	5	4	1	0

Cultural Practices	# Response Yes	No	#Response: Excellent	Good	Poor		
Summer pruning	21	8	13	8	5	3	0
Weed mgmt in orchard	31	27	4	26	6	20	0
Weed control around orchard	26	17	9	18	7	11	0