



**Strawberry Management Survey**  
Pest management Resources Online for New England  
(*PRO New England*)

This survey should be completed by the person most responsible for crop management decisions on your farm. Please complete if you grow STRAWBERRIES .

**Do you grow Strawberries for sale? (Please circle your answer)**

Yes ----> continue below

No ----> if no, please return questionnaire using the self-addressed stamped envelope – thank you

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Please fill in the blanks or circle your answers where indicated in the questions below for strawberry.

**A1. How many acres (or square feet) of strawberries did you manage in 2004? (Please select one and fill in your answer)**

\_\_\_\_\_ Acres or \_\_\_\_\_ Square Feet

**A2. Over the past five years, what is your average annual yield of strawberries per acre? (Please fill in your answer)**

\_\_\_\_\_ Pounds/Acre

**A3. What percentage of your strawberry crop is sold through each of these markets?**

Fresh market, retail (pre-picked)	_____%
U-Pick	_____%
Fresh market, wholesale	_____%
Processing	_____%
Other (specify _____)	_____%
Total	100 %

## Horticultural Management for STRAWBERRY

**B1. Which of the following practices do you use? (Circle all that apply.)**

fresh manure	composted manure
dormant plants	plug plants
drip irrigation	overhead irrigation
row cover	importation of bee hives for pollination
raised beds	black plastic mulch

**B2. Do you use a soil sample to determine fertilizer needs in most years? (Circle answer)**

**Yes or No**

**If yes, how frequently is it performed?**

1 time each year  
More than 1 time each year  
Every other year  
Every third year  
Other (please specify) \_\_\_\_\_

**B3. Do you use tissue analysis (leaf analysis) to determine fertilizer needs in most years? (Circle answer)**

**Yes or No**

**If yes, how frequently is it performed?**

1 time each year  
More than 1 time each year  
Every other year  
Every third year  
Other (please specify) \_\_\_\_\_

## General Pest Management Information for STRAWBERRY

**C1. Please estimate your average number of pesticide applications for strawberry used in a typical year:**

Number of times you spray for insects each year	_____
Number of times you spray for mites each year	_____
Number of times you spray for weeds each year	_____
Number of times you spray diseases each year	_____

**C2. Which of these insects require routine annual control, require occasional control, are rarely a problem, or are never a problem on your farm? (Please circle your answers)**

**Insects & Mites**

Cutworms	Routine, annual control	Occasional pest	Rarely a problem	Never a problem
Cyclamen Mite	Routine, annual control	Occasional pest	Rarely a problem	Never a problem
Leaf Hoppers	Routine, annual control	Occasional pest	Rarely a problem	Never a problem
Root Weevils	Routine, annual control	Occasional pest	Rarely a problem	Never a problem
Sap Beetles	Routine, annual control	Occasional pest	Rarely a problem	Never a problem
Slugs	Routine, annual control	Occasional pest	Rarely a problem	Never a problem
Spittlebug	Routine, annual control	Occasional pest	Rarely a problem	Never a problem
Strawberry Bud Weevil (Clipper)	Routine, annual control	Occasional pest	Rarely a problem	Never a problem
Strawberry Leaf Rollers	Routine, annual control	Occasional pest	Rarely a problem	Never a problem
Strawberry Rootworm	Routine, annual control	Occasional pest	Rarely a problem	Never a problem
Thrips	Routine, annual control	Occasional pest	Rarely a problem	Never a problem
Tarnished Plant Bug	Routine, annual control	Occasional pest	Rarely a problem	Never a problem
Twospotted Spider Mite	Routine, annual control	Occasional pest	Rarely a problem	Never a problem
White Grubs	Routine, annual control	Occasional pest	Rarely a problem	Never a problem
Other (specify)	Routine, annual control	Occasional pest	Rarely a problem	Never a problem
Other (specify)	Routine, annual control	Occasional pest	Rarely a problem	Never a problem

**C3. Which of these pests require routine annual control, require occasional control, are rarely a problem, or are never a problem on your farm? (Please circle your answers)**

**Weeds & Vertebrate pests**

Annual Broadleaf Weeds	Routine, annual control	Occasional control	Rarely a problem	Never a problem
Perennial Broadleaf Weeds	Routine, annual control	Occasional control	Rarely a problem	Never a problem
Annual Grasses	Routine, annual control	Occasional control	Rarely a problem	Never a problem
Perennial Grasses	Routine, annual control	Occasional control	Rarely a problem	Never a problem
Deer	Routine, annual control	Occasional control	Rarely a problem	Never a problem
Voles	Routine, annual control	Occasional control	Rarely a problem	Never a problem
Birds	Routine, annual control	Occasional control	Rarely a problem	Never a problem
Other Vertebrate pests (Specify: _____)	Routine, annual control	Occasional control	Rarely a problem	Never a problem
Other Vertebrate pests (Specify: _____)	Routine, annual control	Occasional control	Rarely a problem	Never a problem

**C4. Which of these diseases require routine annual control, require occasional control, are rarely a problem, or are never a problem on your farm? (Please circle your answers)**

**Viruses & Diseases**

Bacterial Angular Leaf Spot	Routine, annual control	Occasional pest	Rarely a problem	Never a problem
Black Root Rot	Routine, annual control	Occasional pest	Rarely a problem	Never a problem
Gray Mold	Routine, annual control	Occasional pest	Rarely a problem	Never a problem
Leaf Blight	Routine, annual control	Occasional pest	Rarely a problem	Never a problem
Leaf Scorch	Routine, annual control	Occasional pest	Rarely a problem	Never a problem
Leaf Spot	Routine, annual control	Occasional pest	Rarely a problem	Never a problem
Leather Rot	Routine, annual control	Occasional pest	Rarely a problem	Never a problem
Powdery Mildew	Routine, annual control	Occasional pest	Rarely a problem	Never a problem
Red Stele	Routine, annual control	Occasional pest	Rarely a problem	Never a problem
Verticillium Wilt	Routine, annual control	Occasional pest	Rarely a problem	Never a problem
Other diseases (Specify): _____	Routine, annual control	Occasional pest	Rarely a problem	Never a problem

**In order to understand the importance of various pesticides and alternative strategies to STRAWBERRY pest management, the following sections D-F ask for specific information about your actual pesticide use and alternative pest management strategies.**

**General Pest Management Information for STRAWBERRY**

For each of the following insects and mites, indicate the **percentage of your strawberry crop treated in 2004**. If you **did not treat for the pest**, put “0” in the “percent treated” slot. Please circle the pesticides that you used, the rate (**full** or **reduced**) that was used and the effectiveness of the control strategy (**excellent, good, poor**). For all pesticides used, “**Full Rate**” means highest labeled rate and “**Reduced Rate**” means less than the highest labeled rate. If you used non-pesticide strategies to control a pest please specify them in the “**Other Strategies Employed**” area.

**D1. Cutworms**

a) **Percent of strawberry crop treated for cutworms in 2004** \_\_\_\_\_ %

<b>b) Pesticide(s) used (circle all that apply)</b>	Rate used (based on label guidelines)		Effectiveness of Control		
	<u>Full Rate</u>	<u>Reduced Rate</u>	<u>Excellent</u>	<u>Good</u>	<u>Poor</u>
Sevin Bait (carbaryl)	Full	Reduced	Excellent	Good	Poor
Other Pesticide(s) used: (Please Specify) _____	Full	Reduced	Excellent	Good	Poor

Other Strategies Employed: (Please Specify) \_\_\_\_\_ Excellent Good Poor  
(Please Specify) \_\_\_\_\_ Excellent Good Poor

**D2. Cyclamen Mite**

a) Percent of strawberry crop treated for cyclamen mite in 2004 \_\_\_\_\_%

b) Pesticide/Strategy(ies) used (please list)	Rate used (based on label guidelines)		Effectiveness of Control		
	Full Rate	Reduced Rate	Excellent	Good	Poor
Agri-mek (abermectin)	Full	Reduced	Excellent	Good	Poor
Kelthane (dicofol)	Full	Reduced	Excellent	Good	Poor
Phaser (endosulfan)	Full	Reduced	Excellent	Good	Poor
Thiodan (endosulfan)	Full	Reduced	Excellent	Good	Poor
Other pesticide(s) used:					
_____	Full	Reduced	Excellent	Good	Poor
_____	Full	Reduced	Excellent	Good	Poor
Other Strategies Employed: (Please Specify) _____			Excellent	Good	Poor
(Please Specify) _____			Excellent	Good	Poor

**D3. Leaf Hoppers**

a) Percent of strawberry crop treated for leaf hoppers in 2004 \_\_\_\_\_%

b) Pesticide(s) used (circle all that apply)	Rate used (based on label guidelines)		Effectiveness of Control		
	Full Rate	Reduced Rate	Excellent	Good	Poor
Cythion (malathion)	Full	Reduced	Excellent	Good	Poor
Malathion (malathion)	Full	Reduced	Excellent	Good	Poor
Other Pesticide(s) used:					
(Please Specify) _____	Full	Reduced	Excellent	Good	Poor
Other Strategies Employed: (Please Specify) _____			Excellent	Good	Poor
(Please Specify) _____			Excellent	Good	Poor

**D4. Root Weevils**

a) Percent of strawberry crop treated for root weevils in 2004 \_\_\_\_\_%

b) Pesticide(s) used (circle all that apply)	Rate used (based on label guidelines)		Effectiveness of Control		
	Full Rate	Reduced Rate	Excellent	Good	Poor

Brigade (bifenthrin)	Full	Reduced	Excellent	Good	Poor
Cythion (malathion)	Full	Reduced	Excellent	Good	Poor
Malathion (malathion)	Full	Reduced	Excellent	Good	Poor
Other Pesticide(s) used: (Please Specify) _____	Full	Reduced	Excellent	Good	Poor
Other Strategies Employed: (Please Specify) _____			Excellent	Good	Poor
(Please Specify) _____			Excellent	Good	Poor

**D5. Sap Beetles**

a) Percent of strawberry crop treated for sap beetles in 2004 \_\_\_\_\_%

<b>b) Pesticide(s) used (circle all that apply)</b>	Rate used (based on label guidelines)		Effectiveness of Control		
	<u>Full Rate</u>	<u>Reduced Rate</u>	<u>Excellent</u>	<u>Good</u>	<u>Poor</u>
Brigade (bifenthrin)	Full	Reduced	Excellent	Good	Poor
Cythion (malathion)	Full	Reduced	Excellent	Good	Poor
Other Pesticide(s) used: (Please Specify) _____	Full	Reduced	Excellent	Good	Poor
Other Strategies Employed: (Please Specify) _____			Excellent	Good	Poor
(Please Specify) _____			Excellent	Good	Poor

**D6. Slugs**

a) Percent of strawberry crop treated for slugs in 2004 \_\_\_\_\_%

<b>b) Pesticide(s) used (circle all that apply)</b>	Rate used (based on label guidelines)		Effectiveness of Control		
	<u>Full Rate</u>	<u>Reduced Rate</u>	<u>Excellent</u>	<u>Good</u>	<u>Poor</u>
Metaldehyde Bait (methaldehyde)	Full	Reduced	Excellent	Good	Poor
Sluggo (iron phosphate)	Full	Reduced	Excellent	Good	Poor
Other Pesticide(s) used: (Please Specify) _____	Full	Reduced	Excellent	Good	Poor
Other Strategies Employed: (Please Specify) _____			Excellent	Good	Poor
(Please Specify) _____			Excellent	Good	Poor

**D7. Spittlebug**

a) Percent of strawberry crop treated for spittle bug in 2004 \_\_\_\_\_%

Rate used (based on label guidelines) Effectiveness of Control

b) Pesticide(s) used (circle all that apply)	Rate used (based on label guidelines)		Effectiveness of Control		
	Full Rate	Reduced Rate	Excellent	Good	Poor
Ambush (permethrin)	Full	Reduced	Excellent	Good	Poor
Asana XL (esfenvalerate)	Full	Reduced	Excellent	Good	Poor
Sevin XLR PLUS (carbaryl)	Full	Reduced	Excellent	Good	Poor
Other Pesticide(s) used: (Please Specify) _____	Full	Reduced	Excellent	Good	Poor
Other Strategies Employed: (Please Specify) _____			Excellent	Good	Poor
(Please Specify) _____			Excellent	Good	Poor

**D8. Strawberry Bud Weevil (Clipper)**

a) Percent of strawberry crop treated for strawberry bud weevil in 2004 \_\_\_\_\_%

b) Pesticide(s) used (circle all that apply)	Rate used (based on label guidelines)		Effectiveness of Control		
	Full Rate	Reduced Rate	Excellent	Good	Poor
Brigade (bifenthrin)	Full	Reduced	Excellent	Good	Poor
Guthion (azinphosmethyl)	Full	Reduced	Excellent	Good	Poor
Sevin (carbaryl)	Full	Reduced	Excellent	Good	Poor
Sniper (azinphosmethyl)	Full	Reduced	Excellent	Good	Poor
Other Pesticide(s) used: (Please Specify) _____	Full	Reduced	Excellent	Good	Poor
Other Strategies Employed: (Please Specify) _____			Excellent	Good	Poor
(Please Specify) _____			Excellent	Good	Poor

**D9. Strawberry Leaf Rollers**

a) Percent of strawberry crop treated for strawberry leaf rollers in 2004 \_\_\_\_\_%

b) Pesticide(s) used (circle all that apply)	Rate used (based on label guidelines)		Effectiveness of Control		
	Full Rate	Reduced Rate	Excellent	Good	Poor
Brigade (bifenthrin)	Full	Reduced	Excellent	Good	Poor
Cythion (malathion)	Full	Reduced	Excellent	Good	Poor
Dibrom (naled)	Full	Reduced	Excellent	Good	Poor
Guthion (azinphosmethyl)	Full	Reduced	Excellent	Good	Poor
Malathion (malathion)	Full	Reduced	Excellent	Good	Poor
Sevin (carbaryl)	Full	Reduced	Excellent	Good	Poor
Sniper (azinphosmethyl)	Full	Reduced	Excellent	Good	Poor
Other Pesticide(s) used: (Please Specify) _____	Full	Reduced	Excellent	Good	Poor

Other Strategies Employed: (Please Specify) \_\_\_\_\_ Excellent Good Poor  
(Please Specify) \_\_\_\_\_ Excellent Good Poor

**D10. Strawberry Rootworm**

a) Percent of strawberry crop treated for strawberry rootworm in 2004 \_\_\_\_\_%

Strategies Employed: (Please Specify) \_\_\_\_\_ Excellent Good Poor  
(Please Specify) \_\_\_\_\_ Excellent Good Poor

**D11. Thrips**

a) Percent of strawberry crop treated for thrips in 2004 \_\_\_\_\_%

b) Pesticide(s) used (circle all that apply)	Rate used (based on label guidelines)		Effectiveness of Control		
	<u>Full Rate</u>	<u>Reduced Rate</u>	<u>Excellent</u>	<u>Good</u>	<u>Poor</u>
Cythion (malathion)	Full	Reduced	Excellent	Good	Poor
Malathion (malathion)	Full	Reduced	Excellent	Good	Poor
Other Pesticide(s) used: (Please Specify) _____	Full	Reduced	Excellent	Good	Poor
Other Strategies Employed: (Please Specify) _____			Excellent	Good	Poor
(Please Specify) _____			Excellent	Good	Poor

**D12. Tarnished Plant Bug**

a) Percent of strawberry crop treated for tarnished plant bug in 2004 \_\_\_\_\_%

b) Pesticide(s) used (circle all that apply)	Rate used (based on label guidelines)		Effectiveness of Control		
	<u>Full Rate</u>	<u>Reduced Rate</u>	<u>Excellent</u>	<u>Good</u>	<u>Poor</u>
Brigade (bifenthrin)	Full	Reduced	Excellent	Good	Poor
Cythion (malathion)	Full	Reduced	Excellent	Good	Poor
Danitol (fenproparthrin)	Full	Reduced	Excellent	Good	Poor
Dibrom (naled)	Full	Reduced	Excellent	Good	Poor
Malathion (malathion)	Full	Reduced	Excellent	Good	Poor
Phaser (endosulfan)	Full	Reduced	Excellent	Good	Poor
Sevin (carbaryl)	Full	Reduced	Excellent	Good	Poor
Thiodan (endosulfan)	Full	Reduced	Excellent	Good	Poor
Other Pesticide(s) used: (Please Specify) _____	Full	Reduced	Excellent	Good	Poor
Other Strategies Employed: (Please Specify) _____			Excellent	Good	Poor
(Please Specify) _____			Excellent	Good	Poor

**D13. Twospotted Spider Mite**

a) Percent of strawberry crop treated for twospotted spider mite in 2004 \_\_\_\_\_%

b) Pesticide(s) used (circle all that apply)	Rate used (based on label guidelines)		Effectiveness of Control		
	Full Rate	Reduced Rate	Excellent	Good	Poor
Agri-mek (abermectin)	Full	Reduced	Excellent	Good	Poor
Brigade (bifenthrin)	Full	Reduced	Excellent	Good	Poor
Cythion (malathion)	Full	Reduced	Excellent	Good	Poor
Danitol (fenproparthrin)	Full	Reduced	Excellent	Good	Poor
Dibrom (naled)	Full	Reduced	Excellent	Good	Poor
Kelthane (dicofol)	Full	Reduced	Excellent	Good	Poor
Vendex (fenbutatinoxide)	Full	Reduced	Excellent	Good	Poor

Other Pesticide(s) used:  
 (Please Specify) \_\_\_\_\_ Full Reduced Excellent Good Poor

Other Strategies Employed: (Please Specify) \_\_\_\_\_ Excellent Good Poor  
 (Please Specify) \_\_\_\_\_ Excellent Good Poor

**D14. White Grubs**

a) Percent of strawberry crop treated for white grubs in 2004 \_\_\_\_\_%

b) Pesticide(s) used (circle all that apply)	Rate used (based on label guidelines)		Effectiveness of Control		
	Full Rate	Reduced Rate	Excellent	Good	Poor
Sevin (carbaryl)	Full	Reduced	Excellent	Good	Poor

Other Pesticide(s) used:  
 (Please Specify) \_\_\_\_\_ Full Reduced Excellent Good Poor

Other Strategies Employed: (Please Specify) \_\_\_\_\_ Excellent Good Poor  
 (Please Specify) \_\_\_\_\_ Excellent Good Poor

**D15. Other Insect/Mite Pest(s) Please Specify \_\_\_\_\_**

a) Percent of strawberry crop treated for Other Insect/Mite(s) in 2004 \_\_\_\_\_%

b) Pesticide/Strategy(ies) used (please list)	Rate used (based on label guidelines)		Effectiveness of Control		
	Full Rate	Reduced Rate	Excellent	Good	Poor
_____	Full	Reduced	Excellent	Good	Poor

\_\_\_\_\_ Full Reduced Excellent Good Poor

**D16. Other Insect/Mite Pest(s) Please Specify \_\_\_\_\_**

**a) Percent of strawberry crop treated for Other Insect/Mite(s) in 2004 \_\_\_\_\_ %**

b) Pesticide/Strategy(ies) used (please list)	Rate used (based on label guidelines)		Effectiveness of Control		
	Full Rate	Reduced Rate	Excellent	Good	Poor
_____	Full	Reduced	Excellent	Good	Poor
_____	Full	Reduced	Excellent	Good	Poor

**Disease Management for STRAWBERRY**

For each of the following diseases and viruses, indicate the **percentage of your strawberry crop treated in 2004**. If you **did not treat for the pest**, put “0” in the “percent treated” slot. Please circle the pesticides that you used, the rate (**full** or **reduced**) that was used and the effectiveness of the control strategy (**excellent, good, poor**). For all pesticides used, “**Full Rate**” means highest labeled rate and “**Reduced Rate**” means less than the highest labeled rate. If you used non-pesticide strategies to control a pest please specify them in the “**Other Strategies Employed**” area.

**E1. Anthracnose**

**a) Percent of strawberry crop treated for anthracnose in 2004 \_\_\_\_\_ %**

b) Pesticide(s) used (circle all that apply)	Rate used (based on label guidelines)		Effectiveness of Control		
	Full Rate	Reduced Rate	Excellent	Good	Poor
Cabrio (pyraclostrobin)	Full	Reduced	Excellent	Good	Poor
Captan (captan)	Full	Reduced	Excellent	Good	Poor
Quadris (azoxystrobin)	Full	Reduced	Excellent	Good	Poor
Switch (cyprodinil + fludioxonil)	Full	Reduced	Excellent	Good	Poor
Thiram (thiram)	Full	Reduced	Excellent	Good	Poor
Topsin-M 70W (thiophanate methyl)	Full	Reduced	Excellent	Good	Poor
Other Pesticide(s) used:					
(Please Specify) _____	Full	Reduced	Excellent	Good	Poor
(Please Specify) _____	Full	Reduced	Excellent	Good	Poor
Other Strategies Employed: (Please Specify) _____			Excellent	Good	Poor
(Please Specify) _____			Excellent	Good	Poor

**E2. Black Root Rot**

a) Percent of strawberry crop treated for Black Root Rot in 2004 \_\_\_\_\_ %

Effectiveness of Control

Strategies Employed: (Please Specify) \_\_\_\_\_ Excellent Good Poor  
 (Please Specify) \_\_\_\_\_ Excellent Good Poor

**E3. Gray Mold**

a) Percent of strawberry crop treated for gray mold in 2004 \_\_\_\_\_ %

b) Pesticide(s) used (circle all that apply)	Rate used (based on label guidelines)		Effectiveness of Control		
	<u>Full Rate</u>	<u>Reduced Rate</u>	<u>Excellent</u>	<u>Good</u>	<u>Poor</u>
Cabrio (pyraclostrobin)	Full	Reduced	Excellent	Good	Poor
Captan (captan)	Full	Reduced	Excellent	Good	Poor
Elevate (fenhexamid)	Full	Reduced	Excellent	Good	Poor
Elevate plus captan	Full	Reduced	Excellent	Good	Poor
Elevate plus thiram	Full	Reduced	Excellent	Good	Poor
Quadris (azoxystrobin)	Full	Reduced	Excellent	Good	Poor
Switch (cyprodinil + fludioxonil)	Full	Reduced	Excellent	Good	Poor
Thiram (thiram)	Full	Reduced	Excellent	Good	Poor
Topsin-M (thiophanate methyl)	Full	Reduced	Excellent	Good	Poor
Topsin-M plus captan	Full	Reduced	Excellent	Good	Poor
Topsin-M plus thiram	Full	Reduced	Excellent	Good	Poor
Topsin-M plus captan	Full	Reduced	Excellent	Good	
Other Pesticide(s) used:					
(Please Specify) _____	Full	Reduced	Excellent	Good	Poor
(Please Specify) _____	Full	Reduced	Excellent	Good	Poor
Other Strategies Employed: (Please Specify) _____			Excellent	Good	Poor
(Please Specify) _____			Excellent	Good	Poor

**E4. Leaf Blight**

a) Percent of strawberry crop treated for leaf blight in 2004 \_\_\_\_\_ %

b) Pesticide(s) used (circle all that apply)	Rate used (based on label guidelines)		Effectiveness of Control		
	<u>Full Rate</u>	<u>Reduced Rate</u>	<u>Excellent</u>	<u>Good</u>	<u>Poor</u>

Syllit (dodine)	Full	Reduced	Excellent	Good	Poor
Topsin-M (thiophanate methyl)	Full	Reduced	Excellent	Good	Poor
Other Pesticide(s) used:					
(Please Specify) _____	Full	Reduced	Excellent	Good	Poor
(Please Specify) _____	Full	Reduced	Excellent	Good	Poor
Other Strategies Employed: (Please Specify) _____			Excellent	Good	Poor
(Please Specify) _____			Excellent	Good	Poor

**E5. Leaf Scorch**

a) Percent of strawberry crop treated for leaf scorch in 2004 \_\_\_\_\_%

	Rate used (based on label guidelines)		Effectiveness of Control		
<b>b) Pesticide(s) used (circle all that apply)</b>	<u>Full Rate</u>	<u>Reduced Rate</u>	<u>Excellent</u>	<u>Good</u>	<u>Poor</u>
Syllit (dodine)	Full	Reduced	Excellent	Good	Poor
Topsin-M (thiophanate methyl)	Full	Reduced	Excellent	Good	Poor
Other Pesticide(s) used:					
(Please Specify) _____	Full	Reduced	Excellent	Good	Poor
(Please Specify) _____	Full	Reduced	Excellent	Good	Poor
Other Strategies Employed: (Please Specify) _____			Excellent	Good	Poor
(Please Specify) _____			Excellent	Good	Poor

**E6. Leaf Spot**

a) Percent of strawberry crop treated for leaf spot in 2004 \_\_\_\_\_%

Cabrio (pyraclostrobin)	Full	Reduced	Excellent	Good	Poor
Captan (captan)	Full	Reduced	Excellent	Good	Poor
Quadris (azoxystrobin)	Full	Reduced	Excellent	Good	Poor
Syllit (dodine)	Full	Reduced	Excellent	Good	Poor
Topsin-M 70W (thiophanate-methyl)	Full	Reduced	Excellent	Good	Poor

	Rate used (based on label guidelines)		Effectiveness of Control		
<b>b) Pesticide(s) used (circle all that apply)</b>	<u>Full Rate</u>	<u>Reduced Rate</u>	<u>Excellent</u>	<u>Good</u>	<u>Poor</u>
Other Pesticide(s) used:					
(Please Specify) _____	Full	Reduced	Excellent	Good	Poor
Other Strategies Employed: (Please Specify) _____			Excellent	Good	Poor
(Please Specify) _____			Excellent	Good	Poor

**E7. Leather Rot**

a) Percent of strawberry crop treated for leather rot in 2004 \_\_\_\_\_ %

b) Pesticide(s) used (circle all that apply)	Rate used (based on label guidelines)		Effectiveness of Control		
	<u>Full Rate</u>	<u>Reduced Rate</u>	<u>Excellent</u>	<u>Good</u>	<u>Poor</u>
Aliette (fosetyl Al)	Full	Reduced	Excellent	Good	Poor
Captan (captan)	Full	Reduced	Excellent	Good	Poor
Quadris (azoxystrobin)	Full	Reduced	Excellent	Good	Poor
Ridomil Gold (metalaxyl)	Full	Reduced	Excellent	Good	Poor
Thiram (thiram)	Full	Reduced	Excellent	Good	Poor
Other Pesticide(s) used: (Please Specify) _____	Full	Reduced	Excellent	Good	Poor
Other Strategies Employed: (Please Specify) _____			Excellent	Good	Poor
(Please Specify) _____			Excellent	Good	Poor

**E8. Powdery Mildew**

a) Percent of strawberry crop treated for powdery mildew in 2004 \_\_\_\_\_ %

b) Pesticide(s) used (circle all that apply)	Rate used (based on label guidelines)		Effectiveness of Control		
	<u>Full Rate</u>	<u>Reduced Rate</u>	<u>Excellent</u>	<u>Good</u>	<u>Poor</u>
Cabrio (pyraclostrobin)	Full	Reduced	Excellent	Good	Poor
Quadris (azoxystrobin)	Full	Reduced	Excellent	Good	Poor
Sulfur (sulfur)	Full	Reduced	Excellent	Good	Poor
Topsin-M (thiophanate methyl)	Full	Reduced	Excellent	Good	Poor
Other Pesticide(s) used: (Please Specify) _____	Full	Reduced	Excellent	Good	Poor
Other Strategies Employed: (Please Specify) _____			Excellent	Good	Poor
(Please Specify) _____			Excellent	Good	Poor

**E9. Red Stele**

a) Percent of strawberry crop treated for red stele in 2004 \_\_\_\_\_ %

b) Pesticide(s) used (circle all that apply)	Rate used (based on label guidelines)		Effectiveness of Control		
	<u>Full Rate</u>	<u>Reduced Rate</u>	<u>Excellent</u>	<u>Good</u>	<u>Poor</u>
Aliette WDG (fosetyl Al)	Full	Reduced	Excellent	Good	Poor
Ridomil Gold (metalaxyl)	Full	Reduced	Excellent	Good	Poor
Other Pesticide(s) used: (Please Specify) _____	Full	Reduced	Excellent	Good	Poor

Other Strategies Employed: (Please Specify) \_\_\_\_\_ Excellent Good Poor  
 (Please Specify) \_\_\_\_\_ Excellent Good Poor

**E10. Verticillium Wilt**

a) Percent of strawberry crop treated for verticillium wilt in 2004 \_\_\_\_\_%

b) Pesticide(s) used (circle all that apply)	Rate used (based on label guidelines)		Effectiveness of Control		
	<u>Full Rate</u>	<u>Reduced Rate</u>	<u>Excellent</u>	<u>Good</u>	<u>Poor</u>
Aliette WDG (fosetyl Al)	Full	Reduced	Excellent	Good	Poor
Other Pesticide(s) used: (Please Specify) _____	Full	Reduced	Excellent	Good	Poor
Other Strategies Employed: (Please Specify) _____			Excellent	Good	Poor
(Please Specify) _____			Excellent	Good	Poor

**E11. Other Disease/Virus Pests (Please Specify) \_\_\_\_\_**

a) Percent of strawberry crop treated for other Diseases in 2004 \_\_\_\_\_%

b) Pesticide(s) used (please list)	Rate used (based on label guidelines)		Effectiveness of Control		
	<u>Full Rate</u>	<u>Reduced Rate</u>	<u>Excellent</u>	<u>Good</u>	<u>Poor</u>
_____	Full	Reduced	Excellent	Good	Poor
_____	Full	Reduced	Excellent	Good	Poor
Other Strategies Employed: (Please Specify) _____			Excellent	Good	Poor
(Please Specify) _____			Excellent	Good	Poor

**E9. Other Disease (Please Specify) \_\_\_\_\_**

b) Percent of strawberry crop treated for other diseases in 2004 \_\_\_\_\_%

b) Pesticide(s) used (please list)	Rate used (based on label guidelines)		Effectiveness of Control		
	<u>Full Rate</u>	<u>Reduced Rate</u>	<u>Excellent</u>	<u>Good</u>	<u>Poor</u>
_____	Full	Reduced	Excellent	Good	Poor
_____	Full	Reduced	Excellent	Good	Poor
Other Strategies Employed: (Please Specify) _____			Excellent	Good	Poor
(Please Specify) _____			Excellent	Good	Poor

**E10. Do you practice crop rotation to manage diseases in strawberry? (Circle your answer)**

Yes or No

If yes, what type of rotation do you practice with strawberry?

Two-year rotation  
 Three-year rotation  
 Four-year rotation  
 Other (please specify) \_\_\_\_\_

**E11. Cultural practices used to control diseases in strawberry (Please list cultural practices used and circle the effectiveness of the control.)**

<u>Cultural practices used</u>	<u>Effectiveness of Control</u>		
_____	Excellent	Good	Poor
_____	Excellent	Good	Poor
_____	Excellent	Good	Poor
_____	Excellent	Good	Poor

**Weed Management for STRAWBERRY**

For each of the following weed control practices, indicate the **percentage of your strawberry crop treated in 2004**. If you **did not use the practice**, put “0” in the “percent treated” slot. Please circle the pesticides that you used, the rate (**full** or **reduced**) that was used and the effectiveness of the control strategy (**excellent, good, poor**). For all pesticides used, “**Full Rate**” means highest labeled rate and “**Reduced Rate**” means less than the highest labeled rate.

**F1. Pre-Plant Weed Control Applications**

a) Percent of strawberry crop treated with pre-plant weed control applications in 2004 \_\_\_\_\_%

b) Pesticide(s) used (circle all that apply)	Rate used (based on label guidelines)		Effectiveness of Control		
	<u>Full Rate</u>	<u>Reduced Rate</u>	<u>Excellent</u>	<u>Good</u>	<u>Poor</u>
Gramoxone Max (paraquat)	Full	Reduced	Excellent	Good	Poor
Roundup Ultra 4S (glyphosate)	Full	Reduced	Excellent	Good	Poor
Other Herbicides used:	Full	Reduced	Excellent	Good	Poor
Please Specify _____	Full	Reduced	Excellent	Good	Poor
Please Specify _____	Full	Reduced	Excellent	Good	Poor

**F2. Pre-Emergence Weed Control**

a) Percent of strawberry crop treated with pre-emergence weed control applications in 2004 \_\_\_\_\_%

Rate used (based on label guidelines) Effectiveness of Control

<b>b) Pesticide(s) used (circle all that apply)</b>	<u>Full Rate</u>	<u>Reduced Rate</u>	<u>Excellent</u>	<u>Good</u>	<u>Poor</u>
Devrinol (napropamide)	Full	Reduced	Excellent	Good	Poor
Goal (oxyfluorfen)	Full	Reduced	Excellent	Good	Poor
Sinbar (terbacil)	Full	Reduced	Excellent	Good	Poor
Other Herbicide(s) used:					
Please Specify _____	Full	Reduced	Excellent	Good	Poor
Please Specify _____	Full	Reduced	Excellent	Good	Poor

**F3. Post-Emergence**

a) Percent of strawberry crop treated with post-emergence weed control applications in 2004 \_\_\_\_\_ %

<b>b) Pesticide(s) used (circle all that apply)</b>	Rate used (based on label guidelines)		Effectiveness of Control		
	<u>Full Rate</u>	<u>Reduced Rate</u>	<u>Excellent</u>	<u>Good</u>	<u>Poor</u>
Amine 4 (2,4-D)	Full	Reduced	Excellent	Good	Poor
Gramoxone Max 3S (paraquat)	Full	Reduced	Excellent	Good	Poor
Poast (sethoxydim)	Full	Reduced	Excellent	Good	Poor
Scythe (pelagoric acid)	Full	Reduced	Excellent	Good	Poor
Select (clethodim)	Full	Reduced	Excellent	Good	Poor
Other Herbicide(s) used:					
Please Specify _____	Full	Reduced	Excellent	Good	Poor
Please Specify _____	Full	Reduced	Excellent	Good	Poor

**F4. Do you use cover crops for weed management in strawberry? (Please circle your answer)**

**Yes or No**

**If yes, please indicate what type of cover crop you use and how effective it is in weed suppression. (Circle your answers)**

<u>Cover Crop (circle all that apply)</u>	<u>Effectiveness of Control</u>		
Winter Rye	Excellent	Good	Poor
Oats	Excellent	Good	Poor
Ryegrass	Excellent	Good	Poor
Buckwheat	Excellent	Good	Poor
Red Clover	Excellent	Good	Poor

White Clover	Excellent	Good	Poor
Hairy Vetch	Excellent	Good	Poor
Alfalfa	Excellent	Good	Poor
Other (please specify) _____	Excellent	Good	Poor
Other (please specify) _____	Excellent	Good	Poor

**F5. Which cultural weed management practices did you use? (Please circle the practices used and the effectiveness of control: excellent, good, poor.)**

<u>Practice (circle all that apply)</u>	<u>Effectiveness of Control</u>		
Mowing	Excellent	Good	Poor
Mulching	Excellent	Good	Poor
Cultivation	Excellent	Good	Poor
Hand weeding	Excellent	Good	Poor
Hoeing	Excellent	Good	Poor
Living mulch in aisles	Excellent	Good	Poor
Weeder Geese	Excellent	Good	Poor
Other _____	Excellent	Good	Poor
None			

**Vertebrate Pest Management for STRAWBERRY**

**G1. Vertebrate Pests and Strategies (Please list vertebrate, list strategies used and circle the effectiveness of the control)**

<u>Pest</u>	<u>Strategy(ies) used</u>	<u>Effectiveness of Control</u>		
Deer _____	_____	Excellent	Good	Poor
Voles _____	_____	Excellent	Good	Poor
Birds _____	_____	Excellent	Good	Poor
Other _____	_____	Excellent	Good	Poor

**Information for Management Decisions:**

**H1. If IPM practices such as insect trapping, degree-day accumulation, or field sampling are done, who does them? (circle all that apply)**

- a) You
- b) Private IPM scout/consultant
- c) Farm employee or family member
- d) Other (specify: \_\_\_\_\_)

**H2. What sampling methods are used? (circle all that apply)**

- a) sampling pattern is standardized (a fixed number of leaves for each plant and a fixed number of plants per row)
- b) sampling pattern is informal
- c) insect traps are used
- d) none

**H3. How important are these factors to you when choosing pesticides for use on your farm? (Please circle your answers)**

		<b><u>How Important?</u></b>		
a)	Toxicity of materials available (to self, family, employees)	Very Important	Somewhat Important	Not Important
b)	Potential environmental impacts	Very Important	Somewhat Important	Not Important
c)	Safety of packaging (such as water soluble bags, etc)	Very Important	Somewhat Important	Not Important
d)	Cost per Acre/Unit	Very Important	Somewhat Important	Not Important
e)	Effectiveness (how well it does the job)	Very Important	Somewhat Important	Not Important
f)	Impact on non-target organisms including beneficials	Very Important	Somewhat Important	Not Important
g)	Phytotoxicity (potential for injury to crop)	Very Important	Somewhat Important	Not Important

**Continue to next page**

**H4. How often do you use the following weather information in making your pest management decisions? (please circle your answers)**

a)	Forecasts for next rain	Frequently	Occasionally	Never
b)	Rainfall totals (for effect on spray residue)	Frequently	Occasionally	Never
c)	Temperatures (for degree day models)	Frequently	Occasionally	Never
d)	Humidity and/or leaf wetness hours	Frequently	Occasionally	Never
e)	Wind speed forecast	Frequently	Occasionally	Never

**H5. How important are these sources of information in making your pest management decisions? (please circle your answers)**

a)	Twilight meetings	Very Important	Somewhat Important	Not Important
b)	Off season educational meetings	Very Important	Somewhat Important	Not Important
c)	New England Vegetable Mgmt Guide	Very Important	Somewhat Important	Not Important
d)	Newsletters	Very Important	Somewhat Important	Not Important
e)	Web sites	Very Important	Somewhat Important	Not Important
f)	Trade publications	Very Important	Somewhat Important	Not Important
g)	Other growers	Very Important	Somewhat Important	Not Important
h)	Suppliers/dealers	Very Important	Somewhat Important	Not Important
i)	University/Extension staff	Very Important	Somewhat Important	Not Important
j)	Other _____	Very Important	Somewhat Important	Not Important

**H6. How would you describe your crop production practices? (please circle your answer)**

- Conventional
- IPM
- Organic
- Other (please specify: \_\_\_\_\_)

**Please use this space for any comments that you have**

**Thank you for your help.**

**Please return your questionnaire in the enclosed envelope to:**

**UNH Cooperative Extension  
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38 College Road  
Durham, NH 03884**