

National FFA Clinic Problem 1 with Answers (Best, Good, and Wrong)

FOR EVENT USE ONLY

The date is 10/12/16. You are scouting a Romaine lettuce field that has a large amount of grass that is coming up. In addition, the economic thresholds for both beet armyworm and flea beetle have been reached and it must be sprayed today. Using the lists below, decide which pesticides you will use to treat this field. Other factors to consider are that it has been slightly windy, the grower will need one day to open field for harvest, the harvest schedule says 10/23/2016; but, because the market is good, fields are being harvested a week early.

REI (Re Entry Interval) - number of hours that field is unavailable for worker entry, in tank mix highest REI is used

PHI (Pre Harvest Interval) - number of days after application that crop is unavailable for harvest, in tank mix highest PHI is used

Beet Armyworm

Insecticides	REI	PHI
Lannate SP	48	10
Proclaim	12	7
Belt SC	12	1
Radiant SC	4	1

Flea Beetle Insecticides

Insecticides	REI	PHI
Warrior 2 ZT	24	1
Mustang	12	30
Tombstone Helios	12	0
Sniper	12	7

Grass Herbicides

Herbicides	REI	PHI
Intensity One	24	14

Downey Mildew

Fungicide	REI	PHI
Fontelis	12	3
Forum	12	0
Manzate Pro-Stick	24	10

Drift Retardant

Retardant	REI	PHI
Liberate	0	0

Agronomy CDE

National FFA Agronomy Clinic Problem 1

Name: _____ Team No: _____

State: _____ Member No: _____

Please answer the following questions:

1. What product or products would you recommend that the grower apply to control the problems that you have identified as existing in the field?

Best answers: These products will quickly leave the field open for any type of pre-harvest labor and well as allowing the harvest company to enter the field as soon as they need.

Beet Armyworm	REI	PHI
Radiant SC	4	1
Flea Beetle Insecticides	REI	PHI
Tombstone Helios	12	0
Drift Retardant	REI	PHI
Liberate	0	0

Good answers: These products will allow the harvest company to enter the field as soon as they need but the 24 hour REI could interfere with any pre-harvest prep work which could then impact the harvest company's ability to enter the field.

Beet Armyworm	REI	PHI
Belt SC	12	1
Flea Beetle Insecticides	REI	PHI
Warrior 2ZT	24	1
Drift Retardant	REI	PHI
Liberate	0	0

2. Why did you choose the product or products you chose?

Because of their lower favorable re-entry interval and pre-harvest intervals.

3. Will the company experience any problems with their intended harvest schedule and why or why not?

Under the best answer, the company will not experience any problems with any type of pre-harvest labor and will allow the company to enter the field as needed for their harvest schedule.

For the good answer, the company will be able to enter the field as soon as they need to do so but the pesticides chosen will interfere with any pre-harvest labor needs.

Wrong answers:

Beet Armyworm		
Insecticides	REI	PHI
Lannate	48	10
Proclaim	12	7

The Pre- Harvest intervals are to long here and will put limitations on when the harvest company can pick the lettuce.

Flea Beetle Insecticides		
Insecticides	REI	PHI
Mustang	12	30
Sniper	12	7

The Pre- Harvest intervals are to long here and will put limitations on when the harvest company can pick the lettuce.

Grass Herbicides		
Herbicides	REI	PHI
Intensity One	24	14

The Pre- Harvest intervals are to long here and will put limitations on when the harvest company can pick the lettuce.

Downey Mildew		
Fungicide	REI	PHI
Fontelis	12	3
Forum	12	0
Manzate	24	10

There is no mildew to be treated.