

Pest Management Case Study- Cole Crops

Sam and Alex own a 10 acre mix vegetable farm. They sell vegetables through a CSA and have a contract with a local grocery store. This past fall they planted the back 1.5 acre field in Cole crops (cabbage, collards, broccoli, kale, and bok choy). They went away for the weekend and came back to find the following damage on their kale.



What damage are you seeing?

What is likely the cause of that damage? Why?

List some why they can manage this/these pest(s) uses IPM.

After scouting Sam and Alex have determine that they must remove damage leaves and apply an insecticide in order to reduce their current pest population so they don't lose their whole kale crop. Please use the provided insecticide labels (Bt, Neem, Pyanic, Copper sulfata) to compare options.

Which insect pests does each control?

What safety measures do they need to take?

What personal protect equipment do they need to wear? During mixing? During spraying?

How long till they can harvest?

Which pesticide would you recommend they use? Why?
