

Sundog Farm Pest & Disease Management Protocol 2020

[Insecticide Comparison Chart](#) from Johnny's

Flea Beetles (Brassicas)

When: AS SOON as you see any flea beetles

Directions:

- Start with Pyganic 5%
 - ¼- ½ oz per gallon of water
- After using Pyganic twice switch to a different product. Entrust is also recommended.

Flea Beetles (Eggplant)

When: Apply Surround Clay when/ right after you plant (before seeing any beetles)

- Reapply after it rains
- Tank mix an insecticide with the Surround Clay as soon as you start seeing any beetles

Directions:

- We use Surround at a rate of 2 cups/ gallon of water for a backpack sprayer.
 - Add half the water you're planning to use to the sprayer, add all the clay, let sink in (don't shake or add more water with loose powder on top of the water). Shake for 30 seconds. Add any other products you're planning to tank mix (ex Pyganic), and then the remaining half of the water. Shake well (at least 30 seconds).
- After you see beetles tank mix Pyganic 5% with the Surround.
 - ¼- ½ oz per gallon of water
- After using Pyganic twice switch to a different product. Entrust is also recommended.

Cucumber Beetles (Cucurbits)

When: Apply Surround Clay when/right after you plant (before seeing any beetles) and again after rain

- Reapply after it rains
- Tank mix an insecticide with the Surround Clay as soon as you start seeing any beetles

Directions:

- We use Surround at a rate of 2 cups/ gallon of water for a backpack sprayer.
 - Add half the water you're planning to use to the sprayer, add all the clay, let sink in (don't shake or add more water with loose powder on top of the water). Shake for 30 seconds. Add any other products you're planning to tank mix (ex Pyganic), and then the remaining half of the water. Shake well (at least 30 seconds).
- After you see beetles tank mix Pyganic 5% with the Surround.
 - ¼- ½ oz per gallon of water

Cabbage Worms (Brassicas)

When: Start spraying Dipel after first worms have been spotted

- Reapply after it rains

Directions:

- Mix Dipel at a rate of 1 T/ gallon of water.

Tomato Blight Prevention

When: Apply once weekly, alternating between these two products to avoid building resistance. If disease pressure is high, apply immediately after rain.

Directions:

- Mix Nu-Cop 50 DF Fungicide with water at a rate of 1 Tablespoon/ gallon. Use goggles and a mask when mixing powder with water. Fill sprayer with half the water you plan to use, add powder shake well, and then carefully add the other half of water.
- The following week use Oxidate at a rate of 2.5 Tablespoons/ gallon.