

2008 PEACH / NECTARINE SPRAY PROGRAM

DELAYED-DORMANT SPRAY (Green peach aphid, San Jose scale, Lecanium scale, Peach twig borer)

- Nu-Cop 50DF 10 lbs./acre
+ Nufilm 17 1 pt. /acre
or
- Nu-Cop 3L 1 – 1 ½ gal. /acre
- Dormant Oil 1 gal. /100 gal.
- Asana XL 12 oz./acre
- Esteem (San Jose Scale) 5 oz./acre

Apply at green calyx (stage 2). It is important to have this spray on before red calyx (stage 3) for the very best green peach aphid control i.e. before aphid begins to hatch. This application is moderately effective on Coryneum in the Spring, it is usually applied too late to prevent twig infection.

PRE-BLOOM THROUGH BLOOM (Lygus bugs, Western flower thrip, Twig Borer)

- Dimilin 12 oz./acre
- Carzol SP * 1 lb./acre
Or Success** 8 oz./acre

This application is very important to prevent marking on Nectarines. If blossoms are open apply at night or while bees are not working in blooms. Western flower thrip are not as much of a threat to peaches as they are to nectarines.

Maximum Carzol allowed per season is 1 ¼ lb. per acre. Do not apply after shuck fall.

Success has controlled Western flower thrip in apples; we don't have any information available for peach & nectarine. Application of Success during bloom would serve in place of a petal fall twig borer spray. Success will not control Lygus bugs.

PETAL FALL SPRAY (Green Peach Aphid, Peach twig borer, Fruit tree leafroller, Mildew*, Coryneum blight**)

- Success 2 oz./100 gal.
 - or Thiodan 50WP *** 4 lbs./acre
- Pristine 14oz./acre.
 - Or Gem 4 - 8 oz./acre
 - Or Orbit 4 oz./acre.
 - Or Summer spray Oil (70 grade)* 1 gal. /100 gal.
 - Or micronized Sulfur 12 lbs./acre
- B-17 (Boric Acid Spray) 3 – 5 lbs./acre
- Captan 50WP ** 5 lbs./acre
- Actara **** 4 oz./acre
- Provado 4 - 8 oz./acre

Apply this spray at Stage 7, petal fall or post bloom depending on the variety. Later application will result in poor Peach twig borer control.

* Mildew protection at petal fall and shuck fall is critical to avoid mildew on the fruit. Oil may be combined with Rally, Orbit or Flint for additional control. Do not apply sulfur or oil with 14 days of each other, do not combine oil and Captan!

**Begin Coryneum Blight control at petal fall if the weather has been wet during bloom, otherwise you may wait until the shuck has fallen unless disease pressure is know to be high.

*** **NOTE:** You may not use more than 3 lbs. (4 quarts EC or 6 pound WP) of active ingredient per year. **Do not apply Thiodan within 300 feet of any lake, stream or pond.**

**** Be Sure all bees are removed from orchard first.

SHUCK SPRAY (Mildew, Coryneum blight)

- Pristine 14 oz./acre
- Ziram 76WDG 6 lbs./acre.
- Actara ** 5 oz./acre

Do not apply sulfur in temperatures over 80 degrees F, or on days temperature is expected to be over 90 degrees F within three days following application.

*Summer spray oil is effective against Peach and Nectarine mildew. Full season of use since 2001 on both peaches and nectarines adjacent to a cherry block has resulted in excellent mildew control with no fruit marking or leaf damage. Three applications are made beginning at petal fall. **Do not apply sulfur or oil with 14 days of each other, do not combine oil and Captan!**

** Actara will control Mealy bug at this timing.

Repeat Coryneum blight sprays immediately preceding or following any rainy period.

Repeat non oil mildew sprays immediately preceding or following any rainy period. Oil spray interval should not be closer than 10 to 14 days.

Mildew will need to be addressed at least one more time after hand thinning.

SUMMER SPRAY (Peach twig borer, Mealy bug, Mildew)

- Intrepid 2F* 10 – 12 oz./acre.
or Success 8 oz./acre
Plus Oil 1 qt./100 gal.
- Summer spray Oil (70 grade) 1 gal. /100 gal.
Or Rally 5 oz./acre
Or Orbit 4 oz./acre
Or Pristine 14 oz./acre
- Carbaryl 4F (Earwigs if needed) 2 qts. /acre
- Provado 4 - 8 oz./acre

*Intrepid must be applied before the beginning of egg hatch for control. Trapping and monitoring for Peach Twig Borer will provide the most accurate timing of the summer sprays. WSU is developing a model similar to the one used for Codling Moth. Place the traps in the orchard at shuck fall and monitor weekly to establish first flight. Report the first catch to the nearest NORTHWEST WHOLESALE branch so biofix can be established and the model verified.

Peaches harvested in August and September will need protection from a second generation of Twig borer, continue trapping in those blocks to determine peak flight times.

If trapping is not possible apply the first spray in late May or early June, continue coverage through harvest. Do not apply Imidan within 14 days of harvest. Do not apply Intrepid or Success within 7 days of harvest.

Peach mildew treated with oil does not turn dark on the leaves as cherry mildew; new foliage should begin to grow clean about 10 days after application of oil. Mildew on the fruit does not appear to be affected by late season applications.

FALL DISEASE SPRAY (Coryneum blight, Bacterial Gummosis)

- Cuprofix 10 lbs./acre
- Nu-Cop 50DF 10 lbs./acre
+ Nufilm 17 1 pt. /acre
or
- Nu-Cop 3L 1- 1 ½ gals./acre.

Apply in early to mid fall, (early to mid September most years) before cool wet weather sets in. If Coryneum Blight was found in the orchard during the growing season, this is the only spray timing that will control the spread of the disease. Summer spray only protects the fruit from infection.

Zeta Zinc, B-17 (Boric Acid) and Urea may be added to this spray after early October. See fall nutrient spray in Apples, Pears, or Cherries.

All rates are shown per acre except those products where concentration of material is important, those rates are per 100 gallons.

Revised February 2008