

SPRAY SCHEDULE FOR APPLES

Apple bud stages through fruit set. Spray applications are most effective when used at appropriate dates. Local weather data and bud stage observations are helpful in determining when to spray.



BUD STAGES	APPROX. DATES NH/S.MAINE	DISEASE/PEST	PRODUCT(S) (suggested)
DORMANT	Winter or early spring	Fire Blight	If present, prune out
SILVER TIP	~ April 1		
GREEN TIP	~ April 15	Rust Scab Fire blight Mites Scale	Dormant oil + copper Or Bordeaux mix
HALF INCH GREEN	~ April 25	Rust Scab Mites Fire Blight	Copper sulfate Or Fungonil or Myclobutanil Or Fruit combo spray Insecticidal soap or

			Pyrethrums
TIGHT CLUSTER	~ May 8-10	Scab Rust Fire Blight Plant Bug Bud moth	Copper sulfate or Fungonil Or Captan Or Fruit combo spray Or Pyrethrum or Spinosad
PINK BUD	~ May 12	Scab Fire blight Sawfly Tent Caterpillars	Copper sulfate or Fungonil Or Captan Or Fruit combo spray Or Pyrethrum or Spinosad
BLOOM	~May 14-20	NO SPRAY	
COVER SPRAYS	~1 week after petal fall and continuing every 10-14 days through mid-August	Curculio Codling Moth Leafhoppers Mites Apple Maggot Scab Sooty Blotch/Flyspeck Fruit Rots	Captan Or Copper Sulfate Or Combo Fruit Spray Or Spinosad Insecticidal Soap

Spray Schedule for Pears

Bud Stage	Approx.date NH/S. Maine	Pest/Disease	Product (suggested)
Dormant	~April 1-15	Fire Blight	Copper Sulfate (liquid) Bonide 'Revitalize' Biofungicide Dormant Oil (optional, for insect control)
Swollen Bud	~May 1-10	Fire Blight	Copper Sulfate (liquid)
Bloom	~May 15-20	Fire Blight	Streptomycin (Fertilome Fire blight spray)
Petal Fall (75%)	~May 25-June 5	Pear Psylla, Plum Curculio, Scab	Combination Fruit Tree Mix (Bonide or Monterey Fruit Tree Spray)
Cover Sprays	~Every 7-10 days following Petal Fall	Pear Psylla, Plum Curculio, Scab	Combination Fruit Tree Mix Mix (Bonide or Monterey Fruit Tree Spray)

***NOTE: If you are spraying for Fire blight control, post bloom sprays (Copper sulfate and/or Streptomycin) are not effective. If fire blight symptoms are noticed, then hand pruning is required. Prune out infected portions 6-8 "below point of infection. Burn or discard infected plant parts. Disinfect tools before moving on to other parts of the canopy. (Isopropyl alcohol or 1:10 bleach solution)**

Spray Schedule for Peaches, Cherries, Plums

Bud Stage	Approx.Date NH/Maine	Pest/Disease	Product (suggested)
Fall/early Spring		Peach Leaf Curl (best in fall) (Peaches)	Copper Sulfate
Green tip/Pink Bud	~ May 5- 10	Brown Rot (Peaches)	Captan or Fungonil or Monterey Complete Disease Control Or Immunox
Bloom	~ May 8-12	Brown Rot	Captan or Fungonil or Monterey Complete Disease Control or Immunox
Petal Fall	~ May 12-25	Brown Rot	Captan or Fungonil or Monterey Complete Disease Control or Immunox
Shuck Split	~ May 25-June 5	Plum Curculio, Cherry Maggot, Tarnished Plant Bug, Brown Rot	Captan or Fungonil or Monterey Complete Disease Control, Spinosad, or Combo Fruit Spray or Immunox
Cover Sprays	Every 7-10 days after Shuck Split	Leaf Spots, Brown Rot, Mites, Spotted Wing Drosophilla	Captan or Fungonil or Immunox or Monterey Complete Disease Control, Spinosad, or Combo Fruit Spray or Monterey Fruit Tree Spray Plus

SPRAY SCHEDULE for GRAPES

DEVELOPMENT STAGE	APPROXIMATE DATE NH/S.MAINE	DISEASE/PEST	PRODUCT (suggested)
Shoots 6-8" long	~May 10-20	Berry moth Black Rot Powdery Mildew	Combo Fruit Spray Or Immunox Or Mancozeb/Spinosad
Just Before Bloom	~May 25-June 8	Berry Moth Flea Beetle Black Rot Powdery Mildew	Combo Fruit Spray Or Immunox Or Mancozeb/Spinosad
Bloom	~June 8-12	DO NOT SPRAY	
	~June 12-15	Black Rot Powdery Mildew Leafhopper Rose Chafer Flea Beetle	Combo Fruit Spray Or Immunox Or Mancozeb/Spinosad
Cover Spray 1	~June 20-25	Rose Chafer Flea Beetle	Combo Fruit Spray Or Immunox Or Mancozeb/Spinosad
Cover Spray 2 (Grapes pea sized)	~July 1-10	Black Rot Powdery Mildew Berry Moth Rose Chafer	Combo Fruit Spray Or Immunox Or Mancozeb/Spinosad
Cover Spray 3 (Grapes touching in bunch)	~July 14-20	Black Rot Powdery Mildew Berry Moth	Combo Fruit Spray Or Immunox

		Rose Chafer Japanese Beetle	Or Mancozeb/Spinosad
Cover spray 4	~July 25-August 5	Japanese Beetle	Spinosad Or Eight (synthetic pyrethrin)
Cover Spray 5 (When grapes are turning color)	~August 15-22	Berry Moth Powdery Mildew Rots	Combo Fruit Spray Or Immunox/Spinosad
Cover Spray 5	~August 28- September5	Spotted Wing Drosophilla	Spinosad

Note: Black Rot is best controlled in pre-bloom sprays and 3-4 weeks after bloom.

Spray Schedule for Blueberries

Bud Stage	Approx.Date NH/S.MAINE	Pest/Disease	Product (suggested)
Loose Bud Scales	April 15-20	Mummyberry, Winterworm (if present)	Lime-Sulfur or Fungonil Or Captan Spinosad, BT
Pink Bud	May 1-10	Mummyberry, Winterworm(if present)	Lime-Sulphur or Fungonil or Captan Spinosad, BT
Bloom	May 15-20	Botrytis Blossom Blight	Fungonil or Captan
First Cover Spray (just after bloom)	May 15-30	Fruitworm, (Winterworm, if present)	Spinosad Or BT
Berries starting to turn blue	July 1-10	Blueberry Maggot	Spinosad
Ripe Period	July-August	Blueberry Maggot, Spotted Wing Drosophila	Spinosad
Cover Spray	7-10 days after ripe spray (monitor for insects)	Spotted Wing Drosophila	Spinosad

Spray Schedule for Bramble Fruit

Bud Stage	Approx. Date NH/S.MAINE	Pest/Disease	Products (suggested)
Bud swell	May 1-10	Anthravnose	Lime- Sulfur
Green Bud	May 12-20	Anthravnose Crown borers Cane borers	Lime-Sulfur Pyrethrins
Just before bloom	May 20-30	Fruitworm, weevil Gray mold	Spinosad Captan Or Monterey Complete Disease Control
After bloom	June 5-10	Gray mold	Monterey Complete Disease Control or Copper sulfate
Ripening	July 15-25	Spotted Wing Drosophila	Spinosad
Ripening	July 30-August 5	Spotted Wing Drosophila	Spinosad

Spray Schedule for Strawberries

Bud Stage	Approx.date NH/S. Maine	Pest/Disease	Product (suggested)
Buds swollen	May 10-20	Tarnished Plant Bug, Fruit Rot	Captan Or Fungonil Or Monterey Complete Disease Control Pyrethrin Or Spinosad
Bloom	May 15-30	Fruit Rots	Captan Or Fungonil Oxidate or Greencure
Berries ½ grown	May 28-June 5	Fruit Rots Tarnished Plant Bug	Captan Or Monterey Complete Disease Control Oxidate or Greencure
Pink Berry	June 15-25	Fruit Rots	Captan Or Monterey Complete Disease Control Oxidate or Greencure

Common Spray Materials

Fungicide/Bactericide	Insecticide
Copper Sulfate*	Insecticidal Soap*
Captan	Spinosad*
Fungonil	Pyrethrum*
Immunox (Myclobutanil)	Neem Oil*
Mancozeb	NeemMax*
Bordeaux Mix (lime/Sulfur)*	Monterey Fruit Tree Spray Plus
Dormant Oil*	Permethrin (Synthetic Pyrethrin)
Summer Oil (Horticultural Oil)*	Dormant Oil*
Streptomycin (Fire Blight) Fertilome Fire Blight Spray*	Summer Oil (Horticultural Oil)*
Combo Fruit Tree Spray (any brand)	Combo Fruit Tree Spray (any brand)
Monterey Complete Disease Control*	BT (Bacillus Thuringencide)*
Bonide ReVitalize Biofungicide*	
Oxidate* Greencure*	

*Indicates organic