

# GARGOIL®

## INSECT, MITE & DISEASE CONTROL

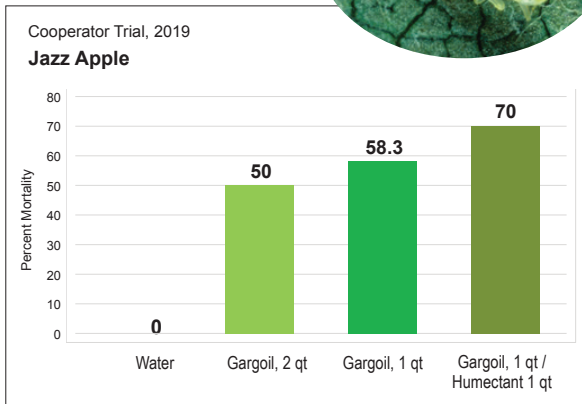
### BENEFITS

- Can be used in combination or in rotation with other fungicides and insecticides. Excellent tank mix partner with softer insecticides, such as wettable sulfur and light summer oils.
- Zero PHI so it can safely be applied up to day of harvest.
- Plant based product safe for beneficial insects
- OMRI and WSDA listed for certified organic crop production.

Gargoil® offers fast and effective broad-spectrum pest control for all agricultural crops and ornamentals. Gargoil targets soft-body insects, including leafhoppers, mites, aphids, thrips, whiteflies, psyllids and other soft-body insects. Gargoil can help control immature forms of larger insects such as worms and scale crawlers.

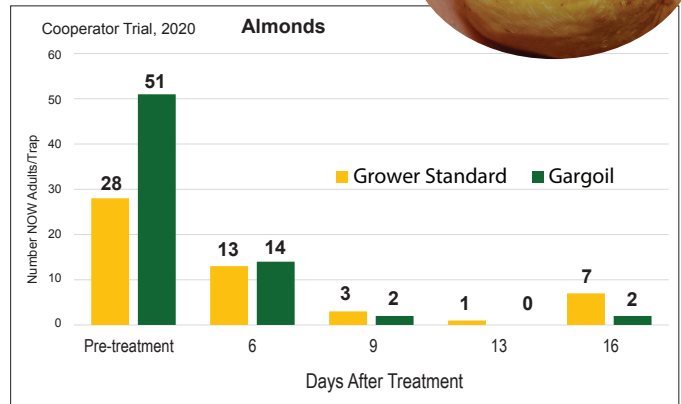
Gargoil can be used on all crops, including fruits and vegetables, fruit trees, vines, tree nuts, field and row crops, ornamental trees, shrubs and flowers, containerized plants, and turf.

**Gargoil® Controls White Apple Leafhopper (WALH) Nymphs**



*Infested leaves or shoots were sprayed to runoff with a hand sprayer. After 24 hours, sprayed samples were examined and evaluated microscopically for mortality.*

**Gargoil® Controls Navel Orange Worm Adults**



*Grower Standard was Bt plus Burkholderia Strain A396. Gargoil was applied at 3 qts/150 gallons of water per acre. All products were applied at the start of hull split.*



### APPLICATION RATES & TIMING:

The optimum pest pressure to start applications is 0 to 5%. Repeat application timing should be 7 to 14 days, and determined by field scouting reports of pest pressure. Spray-to-wet only. Good coverage is essential. Gargoil can be applied using ground or aerial equipment.

**For Insect Control:** Apply 0.5% to 1% of Gargoil per acre.

**For Disease Control (powdery mildew, downy mildew, botrytis):** Apply 0.5% to 1% of Gargoil per acre.

Desired Volume of Spray Mixture (Gallons/Acre)	Amount of Gargoil Application Rate per Volume of Water	
	0.5%	1.0%
25	10 fl oz (0.31 qt)	20 fl oz (0.62 qts)
50	1 qt	2 qts
100	2 qt	4 qts
200	4 qt	8 qts

### APPLICATION INSTRUCTIONS:

- Always perform a compatibility standard jar test when mixing Gargoil with new products.
- Can be applied using standard field sprayers and backpack or other hand-held spray equipment.
- Shake container thoroughly before adding Gargoil to the spray tank.
- Maintain agitation while mixing and during application for best results.
- Apply spray mix early morning or late afternoon to help prevent any phytotoxicity.
- Do not apply when the temperature is >90°F.
- Always be sure to clean tank, pump and lines thoroughly after use.

**Buffering Instructions:** Spray tank pH must be adjusted to 5.5 to 6.0 before adding Gargoil to the spray tank. Recommended buffering agents are BioLink Buffer & Penetrant, BioLink Acidifier among other acidifying agents. Do not buffer with propionic acid or similar products that affect biologically active products.

**Spray Adjuvants:** Good coverage is important to maximize the effectiveness of Gargoil. Silicone-based or non-ionic surfactants are recommended to enhance product coverage.

**PRECAUTIONS:** Gargoil may repel bees. Do not apply Gargoil if rain is forecasted or overhead watering occurs within 12 hours.

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