## CANNABIS PEST GUIDE

### APHIDS
**Damage:** Weakens plants and leaves by sucking nutrients from the leaves. Can also carry viruses.
**Found:** Under leaves

**Control:**
- *Grandevo CG:* Spray 2-4 TBSP / Gallon, Weekly
- *Venerate CG:* Spray 2-5 TBSP / Gallon, Weekly

### THRIPS
**Damage:** Pokes holes in plant and sucks. Very small and cigar shaped, pointy butt. Can significantly reduce yields.
**Found:** Under leaves

**Control:**
- *Grandevo CG:* Spray 2-4 TBSP / Gallon, Weekly
- *Venerate CG:* Spray 2-5 TBSP / Gallon, Weekly

### POWDERY MILDEW
**Damage:** Slows down photosynthesis, ruining harvest.
**Found:** Easy to spot from white powdery fungus on leaves.

**Control:**
- *Regalia CG:* Spray Early to Prevent 2 TBSP / Gallon, Weekly
  - Can be mixed with insecticides

### MITES
**Damage:** Weakens plants through sucking. Too small to see. They reproduce very quickly, common in soil. Leaves can turn yellow and curl, droops stem discolors. Found: Under leaves

**Control:**
- *Grandevo CG:* Spray 2-4 TBSP / Gallon, Weekly
- *Venerate CG:* Spray and Drench 2-5 TBSP / Gallon, Weekly

### BOTRYTIS
**Damage:** Spreading rapidly, it is capable of destroying a crop quickly. Found: High humidity related, brown or grey appearance, and can look dry, lifeless. Can be spread by unclean tools.

**Control:**
- *Regalia CG:* Drench Early to Prevent 2 TBSP / Gallon, Weekly
  - Can be mixed with insecticides

### WHITE FLIES
**Damage:** Sucking the life out of plants and reproduce quickly (180-200 in each egg laying). 2 mm size, located underside of leaves, take care to spray thoroughly under the leaves.

**Control:**
- *Grandevo CG:* Spray 2-4 TBSP / Gallon, Weekly
- *Venerate CG:* Spray 2-5 TBSP / Gallon, Weekly
INTEGRATED PEST MANAGEMENT

A plant extract to boost the plant defense mechanisms against certain fungal and bacterial diseases and to improve overall plant health.
- Apply 2 tbsp/gallon every 7-10 days
- Use as a dip for transplants and drench the root zone for root strength
- Begin first spray application at first true leaf

Start strong to protect your plants from nutrient robbing mites, thrips and aphids that impact yield and overall plant health:
- Start EARLY, before infestation occurs
- Apply 2-4 tbsp/gallon every 7-10 days
- Multiple modes of action
- Alternate with Venerate CG

Venerate is your go-to in season insecticide with multiple modes of action to beat down pests impacting the health and productivity of plants.
- Apply 2-5 tbsp/gallon every 7 days
- No limit to number of applications per season
- No spray buffer needed
- Alternate with Grandevo CG

Best Practices
- Biopesticides work best when mixed with water at a pH of between 6-8 and ideally treated before breakouts occur.
- Use a non-acidifying adjuvant such as NuFilmP to enhance coverage.
- Complete coverage matters! Pests begin on leaf undersides, so higher pressure sprayers with finer droplets (100+ psi) can greatly improve pest management.
- Tank mixing Regalia CG with Grandevo CG or Venerate CG can reduce labor. Always test a new mix of biopesticides and adjuvants on a few plants to assess the safety (phytotoxicity) of the mix. Evaluate the plants 48 hours after application.
- Be proactive in your pest management. Along with maintaining a sanitary growing environment, keep your humidity at acceptable levels, remove plants and plant material that are a danger to other plants.
- Always carefully inspect incoming plant material. Consider using an isolation area prior to intermingling with other plants as hitchhiking insects, mites and diseases may take some time to be apparent.
- Weekly applications of insecticides and miticides are generally good for proactive management. However, if battling an outbreak of mites or insects, consider tightening up your spray program to every 4-5 days for two weeks so that you break the egg to egg-laying adult life cycle.
- Keep your biopesticides in the best condition. Between use store in a dry location between 35 and 90F.

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ALWAYS READ AND FOLLOW LABEL INSTRUCTIONS.

CG PRODUCTS: EASY ON BENEFICIAL INSECTS, NO ACUTE TOXICITY TO ADULT HONEY BEES, MRL EXEMPT, 0 DAY PHI, 4 HOUR REI, OMRI LISTED.