

CHEMICAL PROGRAM

Tim Parks and Alan Gibson
Ohio Valley Giant Pumpkin Growers

SOIL DISEASES

WEEK #1 (transplant) Mix in 5 gallons water: Subdue (1/2 teaspoon) + Medallion (1/2 teaspoon). This 5 gallons of drench will do 3 plants (4' x 4') in the hut area.

WEEK #4 Mix in 100 gallons water: Agri Fos (9 ounces). Apply Agri Fos by itself to 500 square feet.

WEEK #5 Mix in 100 gallons water: Chipco 26019 (10 ounces). Apply to 500 square feet.

WEEK #7 Mix in 100 gallons water: Clearys 3336 (12 ounces) + Terrazole (2.5 ounces). Apply to 500 square feet.

WEEK # 10 Mix in 100 gallons water: Subdue (1 ounce) + Medallion (1 ounce). Apply to 500 square feet.

- Square footage equals length x width of the patch.
 - Repeat weeks 4- 5- 7- 10 (see calendar).
 - These rates are based on 1.5 pints of drench material per square foot or 100 gallons drench material per 500 square feet.
 - Always apply recommended amount to square footage and be sure to cover the entire root zone.
 - Water in with 50 gallons clear water per 500 square feet.
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INSECT and FOLIAR DISEASE PROGRAM (see calendar)

INSECTS (transplant): spread Submerge .5G (generic Merit) @ 1 tablespoon in the planting area. Cultivate into the soil.

(June 1) Treat the entire patch @ 1.5# Submerge .5G (Merit)/ 1000 sq. ft.

INSECTS and FOLIAR DISEASES

Spray plants every 7 days using: Menace (generic Talstar)- ½ tablespoon per gallon water + Ensign (generic Daconil)- ½ tablespoon per gallon water.

Every 3rd spray , replace Menace (Talstar) with Bayer Tree and Shrub Spray (Merit)- 1 tablespoon per gallon water + Ensign (Daconil)- ½ tablespoon per gallon water.

In July, add Eagle – ½ teaspoon per gallon water for powdery mildew control.

OHIO VALLEY GIANT PUMPKIN GROWERS
SPRAY- DRENCH PROGRAM (2010)

Alan Gibson

Pumpkin growers who continually plant in the same patch will face more problems especially with soil borne diseases (phythium, fusarium, phytophthora and rhizoctonia). A 3-4 year rotation of patches will help to reduce these problems. Good surface drainage (raised beds) and sub- surface drainage (4" pipe + pea gravel) will reduce soil borne diseases. Do not be excessive with water and nitrogen fertilizers.

BASIC PROGRAM

Meant for newer growers or a limited budget. Soil diseases should not be a problem if using new ground. Mix Bisect (generic Talstar) and Ensign (generic Daconil) together and spray every 7-10 days starting in late May. Be sure to cover new growth in June and July.

INTERMEDIATE PROGRAM

Where soil borne diseases may be problem. Spread Subdue (granules) and Clearys 3336 (granules) in the hut area several days before transplanting. Cultivate and water to activate. Reapply 30 days later, expanding the treated area to 5' beyond the vines (rooting area).

Use Bisect (generic Talstar) and Ensign (generic Daconil) every 7-10 days starting in late May. In mid-July add Eagle for powdery mildew control. Also add Submerge 70 wsp (generic Merit) to the sprays once per month for systemic insect and aphid control.

ADVANCED PROGRAM

Where soil diseases are a problem or you're trying for world class pumpkins.

Week #1 Spray: Bisect (Talstar) + Ensign (Daconil) + Phyton 27 (copper)
Drench: Subdue + Medallion

Week #2 Spray: Submerge (Merit) + Manzate + Eagle

Week #3 Spray: Bisect (Talstar) + Ensign (Daconil) + AgriFos
Drench: Chipco/ Clearys 3336

Week #4 Spray: Manzate + Quadris (Heritage)

Repeat throughout the season. Be sure to water in drenches.

- Add CO2 + Neptune's seaweed + Millers NuFilm 17 (spreader- sticker) to all sprays.

Be sure to have a spray calendar and mark the appropriate treatments. A good backpack sprayer or Stihl 420 mist blower is best for applying chemicals. Please be safe with these products and enjoy the quest for your personal best pumpkin.

CONVERSIONS

Multiply ounces by 2 = tablespoons (liquid) Multiply ounces by 3+tablespoons(dry)
SAFETY: 1) Read all labels before use 2) Do not use on food crops unless labeled 3) store chemicals in a locked area 4) wear protective clothing 5) keep application records 6) apply when wind is calm-avoid drift 7) store chemicals in original containers.

DISCLAIMER: The Ohio Valley Giant Pumpkin Growers and their directors are not liable for any personal injuries or crop loss due to the use and handling of these products and this program.
