

Common Insects & Diseases of Nine Vegetable Groups in South Florida

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Beans (green, etc)

Insects

1. Cowpea aphid
2. Potato leafhopper
3. Southern armyworm
4. Cabbage looper
5. Stink bugs
6. Leafroller skipper (*Urbanus proteus*)
7. Melon thrips
8. Silverleaf whitefly

Diseases

1. Damping off
2. Powdery mildew
3. Rust
4. Bacterial blight
5. Bean golden mosaic virus

Common Cole Crops (cabbage and broccoli)

Insects

1. Diamond back moth
2. Imported cabbageworm
3. Cabbage looper
4. Silverleaf whitefly
5. Beet armyworm
6. Cabbage webworm

Diseases

1. Cabbage downy mildew (*Peronospora parasitica*)
2. Alternaria leaf spot-target spot
3. Black rot (*Xanthomonas campestris*)
4. White mold (*Sclerotinia sclerotiorum*)

Corn

Insects

1. Fall armyworm
2. Silk fly (*Euxesta stigmatias*)
3. Corn earworm
4. Sap beetles
5. Cutworms
6. Wireworms

Diseases

1. Southern corn leaf blight
2. Bacterial leaf spot (leads to stalk & ear rots)
3. Rust?

Curcubit

Insects

1. Silverleaf whitefly vectors
2. Aphids (potyvirus)
3. Spidermites
4. Melonworm
5. Pickleworm

Diseases

1. CuLCV
2. Powdery mildew
3. Downy mildew
4. Gummy stem blight
5. SqVYV= squash vein yellowing virus (aka, watermelon virus decline)

Eggplant

Insects

1. Silverleaf whitefly
2. Broadmite
3. Spider mite
4. Melon thrips

Diseases(see tomato disease list)

- 1.
- 2.

Lettuce and leafy greens (escarole, spinach, celery, endive)

Insects

1. Leafminers
2. Beet armyworm
3. Southern armyworm
4. Cabbage looper
5. Green peach aphid

Diseases

1. Bacterial leaf spot
2. Downy mildew (lettuce)
3. Lettuce drop (*Sclerotinia sp.*)
4. Cucumber mosaic virus (poty virus)
- 5.

Pepper

Insects

1. Pepper weevil
2. Melon thrips
3. Beet armyworm
4. Broad mite
5. Aphids (potyvirus)

Diseases (see tomato disease list)

1. Zucchini mosaic virus- aphids vector
2. Anthracnose- bullseye (*Colletotrichum sp.*)
- 3.
- 4.
- 5.

Potato

Insects

1. Wireworms
2. Aphids
3. Flea beetles
4. Leafminer
5. Spider mites
6. Caterpillars (~7 species)
 - Colorado potato beetle **not** an issue

Diseases

1. Late blight (*Phytophthora infestans*)
2. Early blight
3. Corky ringspot virus
4. Rhizoctonia stem rot & black scurf
5. Black leg bacterium
6. Bacterial ring spot

Tomato

Insects

1. Silverleaf whitefly vectors TYLCV
2. Southern armyworm
3. Vegetable leafminer
4. Tomato pinworm
5. Aphids –occasional
6. Spider mites – occasional
7. Stink bugs- occasional

Diseases (Dr. Gary Vallad- GCREC Balm)

1. Fusarium crown rot
2. Bacterial spot (*Xanthomonas sp.*)-very common
3. Target spot (*Corynespora sp.*)
4. Early blight (*Alternaria sp.*)
5. Late blight- explosive! (*Phytophthora infestans*)
6. Verticillium wilt
7. Bacterial wilt
8. Leaf curl virus
9. TSWV- Tomato spotted wilt virus