



CYCLAMEN PESTS AND DISEASES

PESTS

APHIDS



E-GRO ALERT ON APHIDS - DAN GILREIN

NEONICOTINOIDS
(DRENCH PREVENTATIVELY OR
SPRAY CURATIVELY)
MAINSRING
ARIA

ALSO MENTIONS: ENDEAVOR, KONTOS, M-
PEDE AND HORTICULTURAL OILS
(BE CAREFUL WITH KONTOS, M-PEDE AND
OILS-CROP SAFETY)

CATERPILLAR

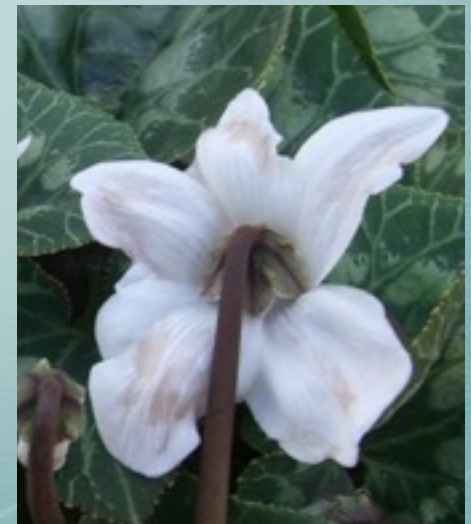
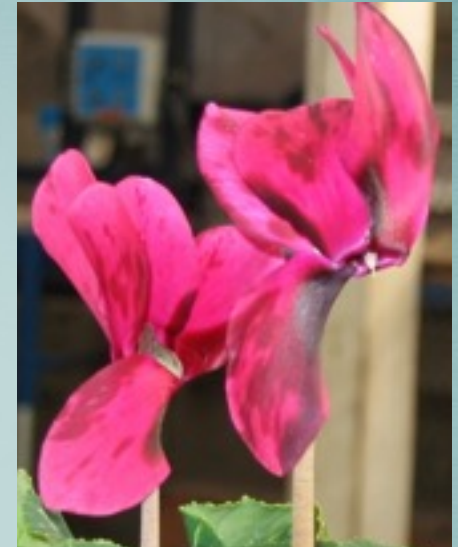


Photos courtesy Gilrein

E-GRO ALERT ON CATERPILLARS - DAN GILREIN

CONSERVE
OVERTURE
PYLON
PYRETHROIDS
ADEPT
PEDESTAL

CYCLAMEN MITE



Photos courtesy Verges

CYCLAMEN MITE



Photos courtesy Gilrein

E-GRO ALERT ON BROADMITES - DAN GILREIN

Pylon, Judo, Sanmite, Avid and
Akari

Be careful with these products
since they may not all be safe on
cyclamen

TWO-SPOTTED SPIDER MITES



Photo courtesy Daughtrey

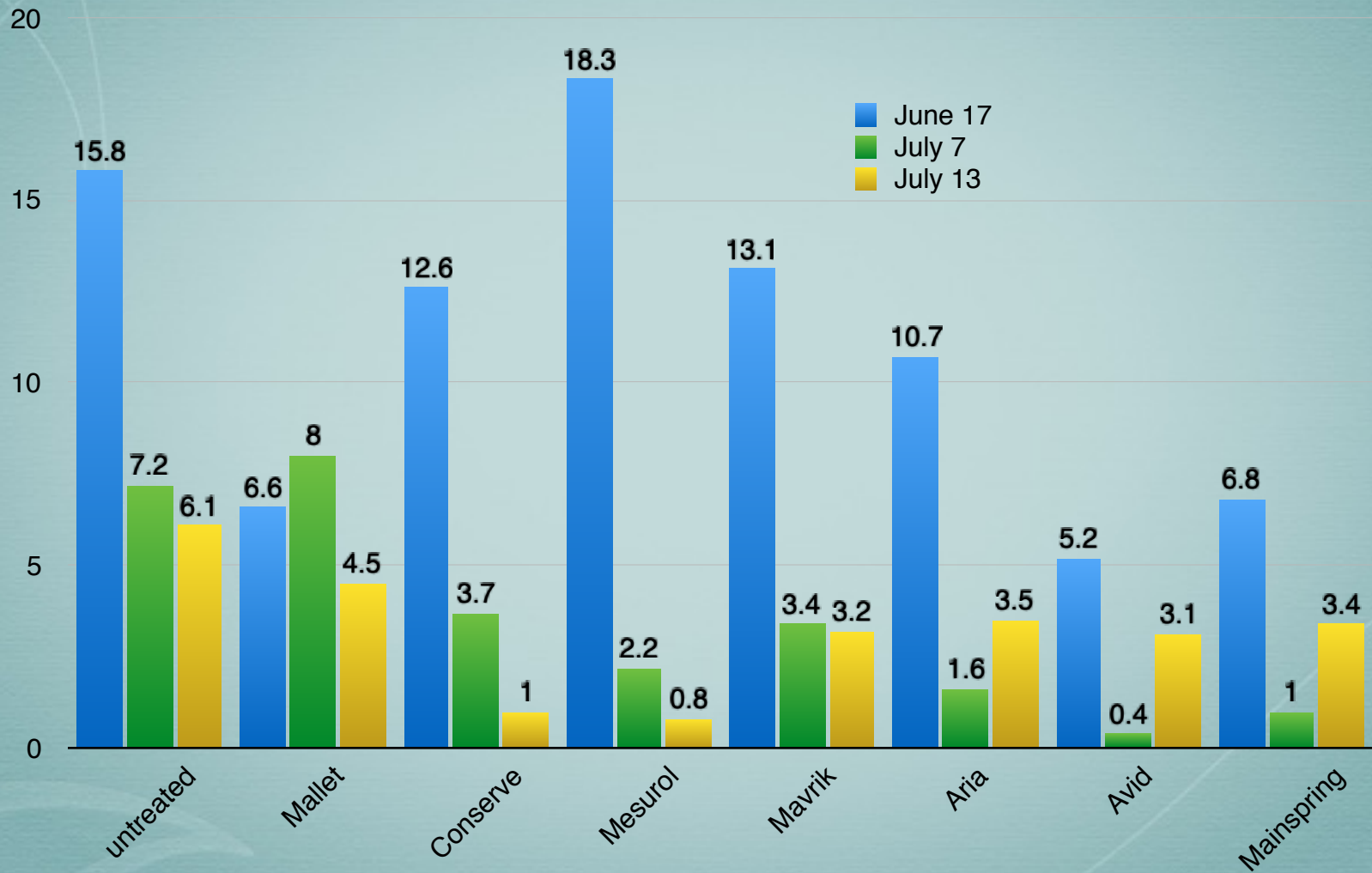
THRIPS



Photo courtesy Verges



WFT CONTROL ON SOLIDAGO



WFT CONTROL ON SOLIDAGO

MALLET (IMIDACLOPRID)

CONSERVE (SPINOSAD)

MESUROL (METHIOCARB)

MAVRIK (TAU-FLUVALINATE)

ARIA (=KONTOS - SPIROTETRAMET)

AVID (ABAMECTIN)

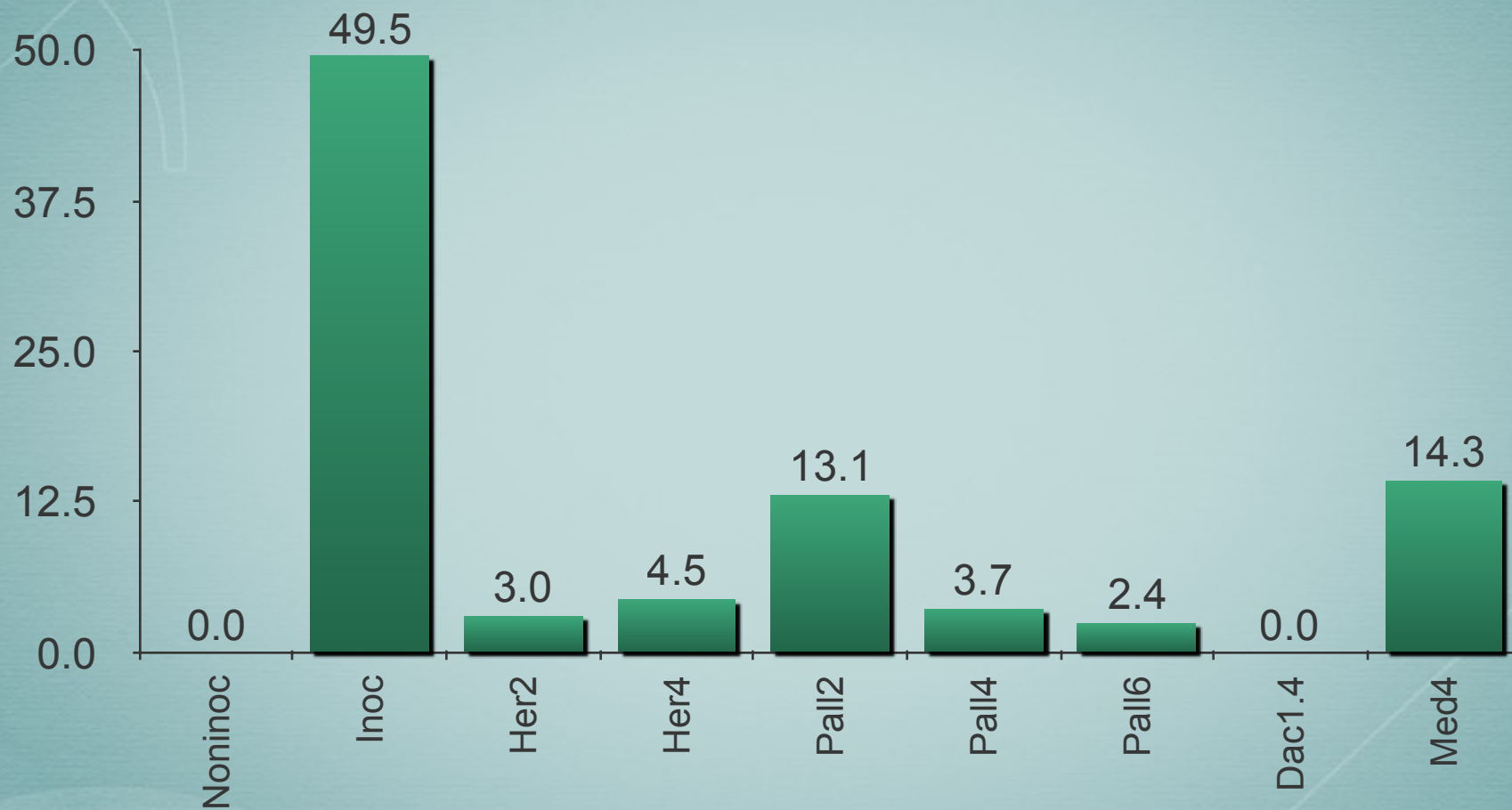
MAINSRING (CYANOTRANILIPROLE)

DISEASES

COLLETOTRICHUM ANTHRACNOSE



PREVENTION OF ANTHRACNOSE

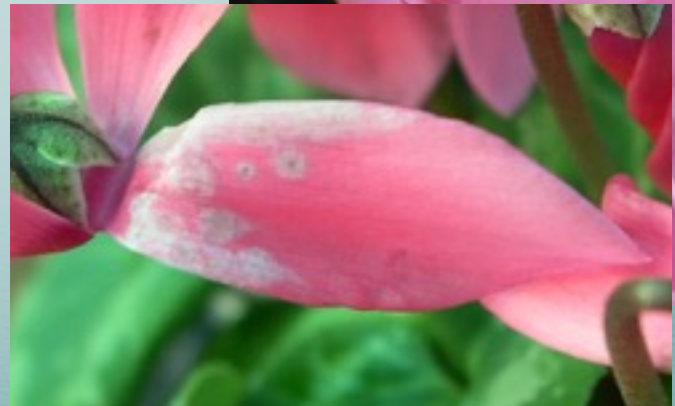
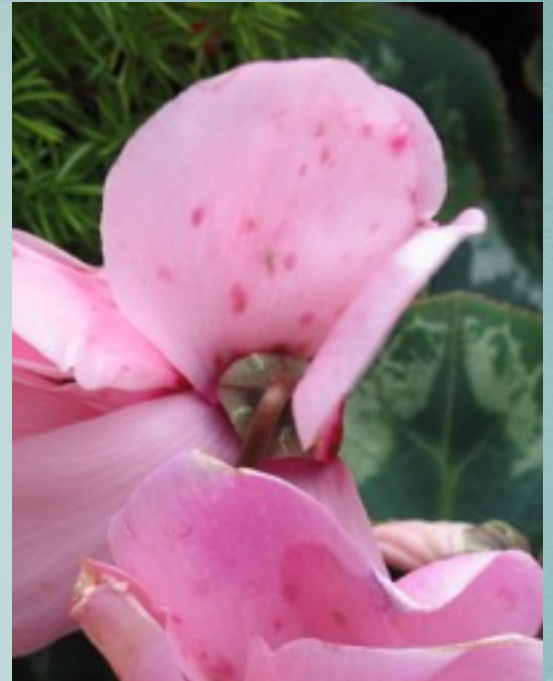


Five sprays on a 7-day interval

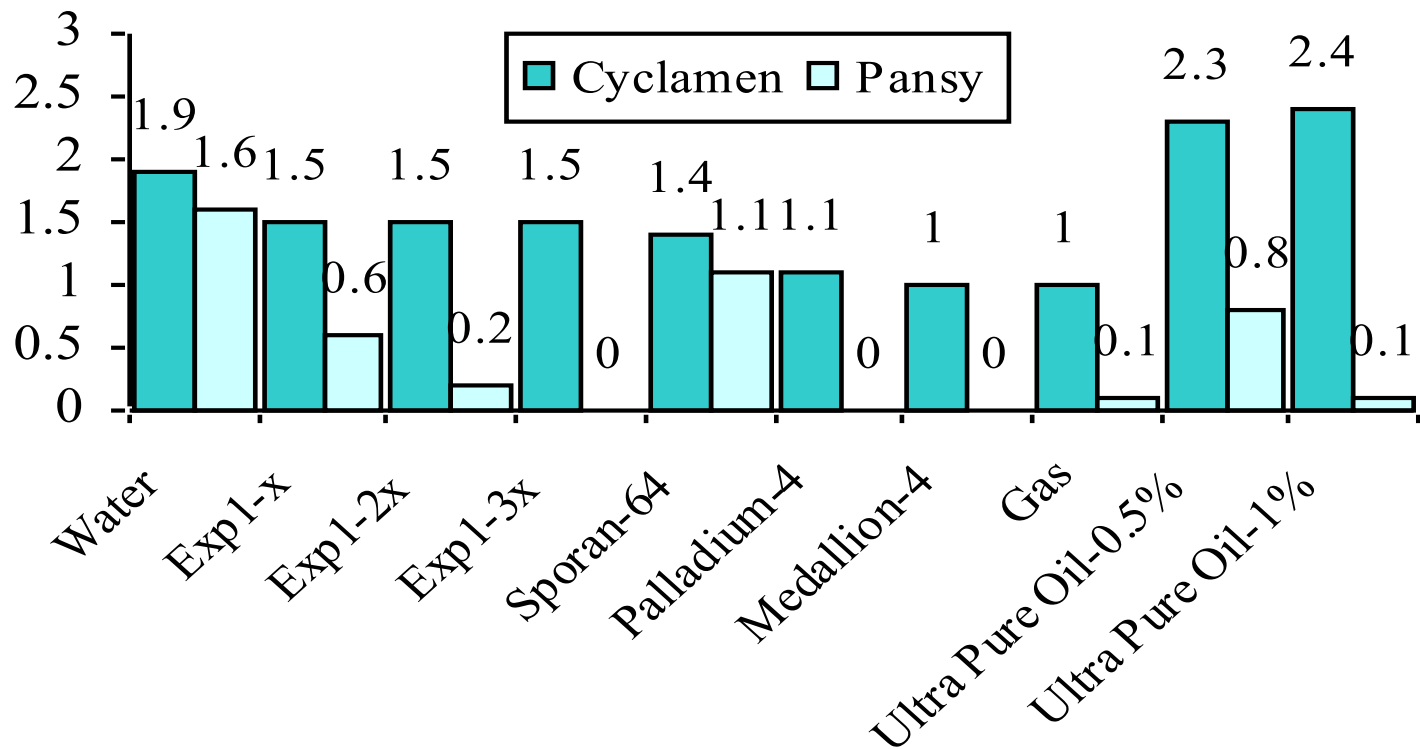
ANTHRACNOSE ROTATION ROTATION

- **Palladium** (12-fludioxonil and 9-cyprodinil)
- **Pageant Intrinsic** (11-pyraclostrobin and 7-boscalid) or **Heritage** (11-azoxystrobin)
- **Daconil Ultrex** (M5-chlorothalonil) Do not use when flowers are present.

BOTRYTIS BLIGHT



ERADICATION OF BOTRYTIS ON FLOWERS



BOTRYTIS ROTATION

- **Decree** (17-fenhexamid)
- **Daconil Ultrex** (M5-chlorothalonil) Do not use when flowers are present.
- **Palladium** (12 and 9 – fludioxonil and cyprodinil)
- **Chipco 26019, 26GT** (2-iprodione)
- **Pageant Intrinsic** (11 and 7-pyraclostrobin and boscalid)

ERWINIA SOFT ROT



ERWINIA ROTATION

Agri-Mycin (antibiotic-streptomycin sulfate)

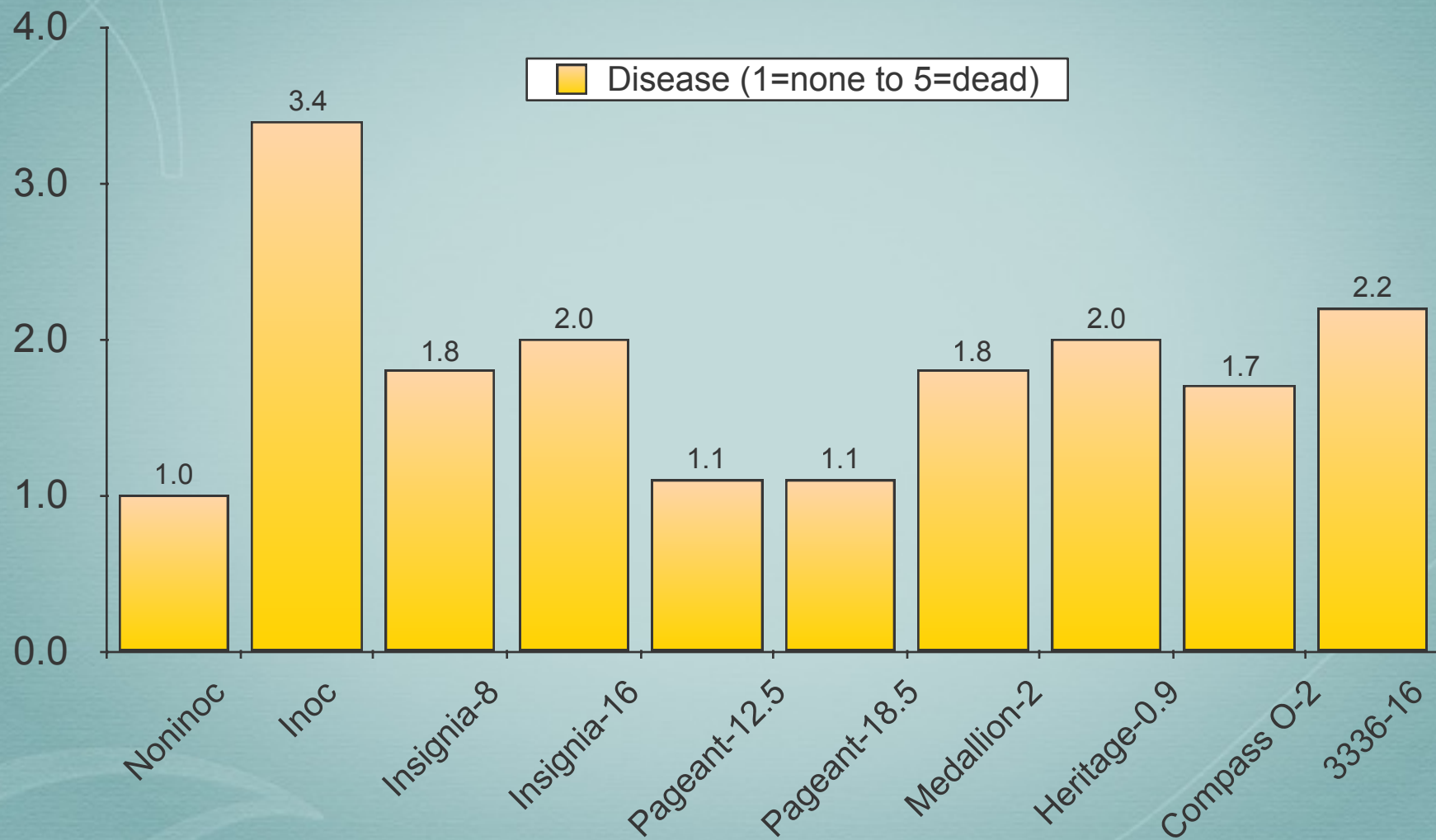
Copper (M1-copper) including: Camelot O, CuPRO and Phyton 27

KleenGrow (nc-quaternary ammonium)

FUSARIUM WILT ON CYCLAMEN



CONTROL OF FUSARIUM WILT ON CYCLAMEN



Seven drenches on a 14-day interval

FUSARIUM ROTATION

- **Medallion** (12-fludioxonil)
- **Heritage**** (11-azoxystrobin) (** drench rate is 0.9 oz/100 gal - use as heavy spray to apply at a high enough rate) or **Pageant Intrinsic** (11-pyraclostrobin and 7-boscalid) or **Empress** (11-pyraclostrobin)
- **Terraguard** (3-triflumizole)

INSV (TOSPOVIRUSES)



PYTHIUM ROOT ROT



PYTHIUM ROTATION

- **Subdue MAXX** (4-mefenoxam) consider adding KleenGrow)
- **Segway O** (21-cyazofamid)
- **Empress** (11-pyraclostrobin)
- **Terrazole** or **Truban** (14-etridiazole)
- **RootShield Plus** (nc-*Trichoderma harzianum* T-22 and *T. virens* G41)

NOT DISEASES



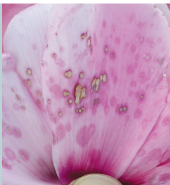






this month in diseases

cyclamen

By A.R. Chase and Margery Daughtrey



	Disease	Pathogen	Stage of Crop	Best Cultural Controls	Best Product Controls based on Chase Research Trials
	Anthracnose	<i>Colletotrichum</i> spp.	All stages	Use healthy plugs; minimize leaf wetness	Insignia (or Pageant or Heritage), Phyton 27, Spectro
	Anthracnose	<i>Cryptocline cyclaminis</i>	All stages	Use healthy plugs; minimize leaf wetness	Insignia, Medallion
	Botrytis blight	<i>Botrytis cinerea</i>	Throughout entire crop cycle but especially when flowering	Avoid leaf and flower wetting; remove infected flowers to prevent leaf infections; keep emitters away from base of plant	Chipco 26019, Decree, Medallion and Pageant; Daconil if not in flower
	Erwinia blight	<i>Pectobacterium carotovorum</i> (also, <i>Erwinia carotovora</i>)	Propagation through finishing	Keep leaves dry, especially during warmer weather; avoid stress and wounds (fungus gnats); plant at proper depth	Nothing effective; avoid stress, keep plant foliage as dry as possible and do not overwater
	Fusarium wilt	<i>Fusarium oxysporum</i> f. sp. <i>cyclaminis</i>	Finishing, sometimes during plug production as root rot	Sanitation between crops; do not drought stress; keep pH above 6, avoid use of ammonium fertilizers	Terraguard, Heritage (or Insignia), Medallion
	Pythium root rot and blight	<i>Pythium</i> sp.	Plug production, primarily	Use new flats, pots and potting media; use a well-drained growing mix	Segway and Subdue MAXX (resistance is possible), etridiazole (e.g., Truban and Terrazole)
	Virus	INSV and TSWV	Finishing	Control thrips; there can be a two-month period between infection and symptoms	None available; manage the thrips vector and eliminate weed or crop reservoirs of virus

In this issue, we present a summary of diseases that occur in cyclamen. Remember: Product controls are based on Chase Horticultural Research trials and do not reflect an endorsement of any sort.

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....There is always
a practical solution

QUESTIONS???