



EthylBloc™ Technology
Truck Treatment



EthylBloc™ Sachet

Winter Holiday Plants - An EthylBloc™ Technology Efficacy Update

Symptoms of Ethylene Damage

Poinsettias

Epinasty is a downward leaf curving (droopiness) which looks like a hydration problem, but can be caused by extended storage in sleeves. The position the leaves / bracts are in while stored in sleeves causes the plant to produce ethylene internally and become more susceptible to external ethylene (*see picture*). Ethylene sensitivity within this crop is variety specific.

Zygocactus

Flower drop is the common symptom with these plants (*see picture*). All varieties of this crop are extremely sensitive to ethylene.



Control EthylBloc™ Technology
Zygocactus (White and Rose)
Day 1



Control EthylBloc™ Technology
'Freedom Red' Poinsettias
Day 4

Results of Testing

Crop	Result
'Orion' Red Poinsettia	Epinasty inhibited by EthylBloc™ Technology
'Freedom' Red Poinsettia	Epinasty inhibited by EthylBloc™ Technology
'Pearl' White Poinsettia	No epinasty observed
'Maren' Pink Poinsettia	No epinasty observed
'Monet' White / Pink Poinsettia	Epinasty inhibited by EthylBloc™ Technology
'Jingle' Red / Pink Poinsettia	No epinasty observed
'Winter Rose' Red Poinsettia	No epinasty observed
Zygocactus (Rose and White)	Flower drop inhibited by EthylBloc™ Technology

Note: Ethylene exposure was about 2 ppm (average). This exposure is common in supermarket distribution.

Conclusion

EthylBloc™ Technology dramatically inhibited ethylene damage of poinsettias and zygocactus.

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