



**BioWorks**<sup>®</sup>  
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ABOVE AND BEYOND IS WHERE WE BEGIN



## CROP TOLERANCE: EPISHIELD<sup>®</sup>

EpiShield has been tested on numerous plant varieties. However, since EpiShield has not been tested on all plant varieties or in combination with all available tank mixes, BioWorks strongly advises testing EpiShield on a small number of plants to check for adverse plant effects before applying to a larger number of plants. Use caution when applying to open bloom or buds. Avoid intense light, heat, and humidity exposure after spray. Ensure plants are dry within 2 hours after application.

BioWorks spray crop tolerance testing followed the IR4 protocol of crop tolerance testing where 1x, 2x, and 4x rates were tested. 1x is 9 fl oz/100 gallons (low label rate), 2x is 18 fl oz/100 gallons (slightly above the high label rate), and 4x is 36 fl oz/100 gallons (well above the high label rate). 2-4x rates are used in research to discover what would happen if applied at off label rates. The 2-4x off label rates are not intended for use by growers. Do not apply above stated label recommendations of 9-12 fl oz/100 gallons. Do not apply as a drench to the potting media.

EpiShield is labeled for dipping applications at a rate of 2.7 ml/gal.

DIPPING				
COMMON NAME	BOTANICAL NAME	VARIETY	RATES TESTED	FOLIAR TOXICITY (DIPPING)
Begonia	Begonia	Bada boom rose	2.7 ml/gal	N
Coleus (cuttings)		Red wizard	2.7 ml/gal	N
Impatiens	Impatiens	SunPatiens <sup>®</sup> Electric Orange	2.7 ml/gal	N
Petunia	Petunia × hybrida	ColorRush™ Pink Petunia	2.7 ml/gal	N





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COMMON NAME	BOTANICAL NAME	VARIETY	RATES TESTED (# FL OZ/ 100 GAL)	FOLIAR PHYTOXICITY? YES/NO	FLOWER PHYTOXICITY? YES/NO
Basil			9, 18, 36	Y @ 36 fl oz	N/A
Begonia	Begonia	Bada boom rose	9, 18, 36	N	N
Bibb/Butter lettuce heads	Lactuca sativa		9, 18	N	N/A
Chrysanthemum Pompom (cut flowers)	Chrysanthemum	Green button pom poms	9, 18	N	N
Chrysanthemum	Chrysanthemum x morifolium	Snowland	9, 18, 36	N	Y @ 18, 36 fl oz
Coleus		Black wizard	9, 18, 36	N	N
Dahlia	Dahlia pinnata	Dahlietta® Patty	9, 18, 36	N	Y
Geranium	Pelargonium	BOLDLY® Hot Pink	9, 18, 36	N	Y
Green leaf lettuce heads	Lactuca sativa		9, 18	N	N/A
Impatiens	Impatiens	SunPatians® Electric Orange	9, 18, 36	N	Y
Lima bean	Phaseolus lunatus	Fordhook 242	9, 18, 36	Y @ 36 fl oz	N/A
Maidenhair fern	Adiantum raddianum	Rosy	9, 18, 36	N	N/A
Marigold		Bonanza harmony	9, 18, 36	N	N
Pansy	Viola x wittrockiana	Delta Violet	4.5, 9	N	N
Pepper	Capsicum annuum	Sweet pepper (yellow)	9, 18	N	N
Pepper	Capsicum annuum	Hot Portugal	9, 18, 36	Y @ 36 fl oz	N/A
Pepper	Capsicum chinense	Habanero Red	9, 18, 36	Y @ 36 fl oz	N/A
Peruvian lily (cut flowers)	Alstroemeria	White	9, 18	N	N
Petunia	Petunia x hybrida	ColorRush™ Pink Petunia	9, 18, 36	N	Y
Roses (cut flowers)	Rosa rubiginosa		9, 18	N	N
Strawberry		Flamingo	9, 18, 36	Y @ 36 fl oz	N/A
Tomato	Solanum lycopersicum	Big Beef	9, 18, 36	N	N
Tomato	Solanum lycopersicum	Early Girl	9, 18, 36	N	N
Tomato	Solanum lycopersicum	Rutgers	9, 18	N	N



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