ATHENA®

SPIDER MITE / POWDERY MILDEW
SPRAY PROCEDURE

IPM

*All measurements are mL per gallon		VEG				FLOWER		
Application Frequency		**W1**	**W2**	**W3**	**W4**	**W1**	**W2**	**W3**
Preventative (no pests)	Spray 2x per week	60-90	60-90	60-90	60-90	60-90	60-90	60-90
Curative (some pests)	Spray 3x per week	90-120	90-120	90-120	90-120	90-120	90-120	90-120

Infestation (Infested with pests, possible crop loss)	• **Spray** 2 day • **Off** 1 day Repeat above for a 9 day total cycle.	M	T	W	TH	F	S	SU	M	T
		120	120	X	120	120	X	120	120	X

Infestation

For spider mite infestations we recommend two consecutive days of spraying followed by a day off. The day off allows the plant to rest because repeated spraying can stress the plant during this process.

If the grower notices any adverse reaction like wilting or other Phytotoxic reactions, they should add more days off between the spray routine. This rotation is repeated 3 times over a 9-day period (the 9th day is a day off).

Our IPM **Spray Procedure** is designed to prevent and control spider mites and powdery mildew in your garden.

IPM
Broad Spectrum
Insecticide & Fungicide

Spray Procedure

WARNING: STEP 1 IS VERY IMPORTANT. FULL SATURATION.

1 **Saturate**	Fully saturate the media with pH adjusted water. If the plant is fully hydrated, it will not absorb IPM through its leaves. If the plant is dehydrated, it will absorb IPM through its leaves. Skipping this step can cause burning or phytotoxic reactions.
2 **Climate**	Lower temperature to around 72° F and use dehumidifiers to maintain humidity around 55-65% to prevent mold and mildew issues.
3 **Lighting**	Only spray when high intensity lights are turned off to prevent burning.
4 **Spray**	Start by spraying the media, following up the stalk making sure to drench the undersides of the leaves. Follow with a spray over the top to ensure full saturation of all plant foliage.
5 **Dry**	Allow enough time to dry (3-4 hours) before high intensity lights are turned on.

Fully Saturating the Media

The technique of fully saturating the media first, makes sure the plant is **fully hydrated, so that it does not uptake** IPM when applied.

Once the spraying is complete, allow the plant to dry down to your normal irrigation schedule and resume your schedule.

If the grower sees any adverse reaction in the plants, stop and take a day or two off before re-applying.

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SPRAY PROCEDURE

IPM

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Application Frequency		**W1**	**W2**	**W3**	**W4**	**W1**	**W2**	**W3**
Preventative (no pests)	Spray 2x per week	15-24	15-24	15-24	15-24	15-24	15-24	15-24
Curative (some pests)	Spray 3x per week	24-32	24-32	24-32	24-32	24-32	24-32	24-32

		M	T	W	TH	F	S	SU	M	T
⚠ **Infestation** (Infested with pests, possible crop loss)	• **Spray** 2 day • **Off** 1 day Repeat above for a 9 day total cycle.	32	32	X	32	32	X	32	32	X

Infestation

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2 **Climate**	Lower temperature to around 22° C and use dehumidifiers to maintain humidity around 55-65% to prevent mold and mildew issues.
3 **Lighting**	Only spray when high intensity lights are turned off to prevent burning.
4 **Spray**	Start by spraying the media, following up the stalk making sure to drench the undersides of the leaves. Follow with a spray over the top to ensure full saturation of all plant foliage.
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