

*All measurements are mL per liter		VEG				FLOWER				
		W1	W2	W3	W4	W1	W2	W3		
Preventative (no pests)	Spray 2x per week	24	24	24	24	24	24	24		
Curative (some pests)	Spray 3x per week	32	32	32	32	32	32	32		
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
		40	40	×	40	40	×	40	40	×

Infestation

For aphid infestations we recommend two consecutive days of spraying followed by one 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 aphids in your garden.

ATHENA® Aphids Reproductive Cycle

Eggs → Larvae → Juveniles → Adults

3 EVENLY SPACED SPRAY EVENTS TO DISRUPT REPRODUCTIVE CYCLE.

HOTTER TEMPERATURES WILL NEED SHORTER SPRAY INTERVALS.

COLDER TEMPERATURES WILL NEED LONGER SPRAY INTERVALS.

~8 days AVERAGE REPRODUCTIVE CYCLE

~15 days AVERAGE REPRODUCTIVE CYCLE

Conducted by UC Davis, Department of Entomology and Nematology

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UC DAVIS *2023 Athena® IPM Efficacy Study demonstrates 96% aphids mortality rate at 53mL per liter use rate.



DISCLAIMER: Users are reminded to adhere to local, state, and federal regulations governing the use of this product. It is the user's responsibility to validate its suitability for their intended purpose, ensuring compliance with safety, environmental, and regulatory guidelines. Athena Ag, Inc. disclaims liability for any misuse or failure to comply with these regulations.

Spray Procedure

CAUTION: STEP 1 IS VERY IMPORTANT. FULL SATURATION.

- Saturate** Fully saturate the substrate 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.
- Climate** Reduce temperature to around 22° C (72° F) and use dehumidifiers to maintain humidity around 55-65% to prevent mold and mildew issues.
- Lighting** Only spray when high intensity lights are turned off to prevent burning.
- Spray** Start by spraying the substrate, 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.
- Dry** Allow enough time to dry (3-4 hours) before high intensity lights are turned on.

Fully Saturating the Substrate

The technique of fully saturating the substrate 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 preference and resume your irrigation 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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