

FROM THE CREATORS OF

# HYGROZYME®



**HYSHIELD™**, part of the HYGROZYME® product family, is a natural plant immunity booster made from chitosan, which is derived from the exoskeletons of crab shells. Plant cell walls have specific receptors that detect the presence of chitosan.

**HYSHIELD™** tricks the plant into thinking it's being attacked by bugs, and as a result it ups its auto-immune system, keeping pathogens and pests at bay. The proprietary formula triggers the plant's natural defense responses which increases essential oil production and maximizes yield potential. **HYSHIELD™** also boosts the overall health and strength of your plants, resulting in thicker stalks that work to support a larger canopy.

**HYSHIELD™** provides the following benefits:

1. Unlocks the true genetic potential of your plant's growth and potency.
2. Reduces transpiration, increasing the plant's resilience to a variety of environmental factors, including high heat and cold stress environments.
3. Most effective when used from seed germination or cloning, and applied as a foliar through veg, switching to root drench application in flower.

All products in the HYGROZYME® family are produced in our ISO 9001 certified facility, guaranteeing high quality products and absolute consistency every time, in every product.

### Application Notes:



**SEEDLING/CUTTING:** 1 mL/L (3.8 mL/Gal) as a drench or soak the grow plug.  
**VEG:** 1 mL/L (3.8 mL/Gal) for Week 1 and then increase to 5 mL/L (18.9 mL/Gal)  
**USAGE:** Foliar spray once a week with the lights off.  
**BLOOM:** 5 mL/L (18.9 mL/Gal)  
**USAGE:** Root drench once a week.



Effective in all growing media and growth stages.



Enhances flower development and growth.



Reduces transpiration without lower crop output.



Improves overall plant health and plant survival through environmental stress.

# Feed Schedule

## Veg Stage

Week	Seedling & Cutting	1	2	3	4
Hygrozyme®	1.5 mL/L (5.6 mL/Gal)	2 mL/L (7.6 mL/Gal)	2 mL/L (7.6 mL/Gal)	2 mL/L (7.6 mL/Gal)	2 mL/L (7.6 mL/Gal)
Hygrozyme® Concentrate	0.3 mL/L (1.1 mL/Gal)	0.4 mL/L (1.5 mL/Gal)	0.4 mL/L (1.5 mL/Gal)	0.4 mL/L (1.5 mL/Gal)	0.4 mL/L (1.5 mL/Gal)
Hyshield™ (Foliar Spray)	1 mL/L (3.8 mL/Gal)	1 mL/L (3.8 mL/Gal)	5 mL/L (18.9 mL/Gal)	5 mL/L (18.9 mL/Gal)	5 mL/L (18.9 mL/Gal)
Hyclean™	0.3 mL/L (1 mL/Gal)	0.3 mL/L (1 mL/Gal)	0.3 mL/L (1 mL/Gal)	0.3 mL/L (1 mL/Gal)	0.3 mL/L (1 mL/Gal)
Hygroben™	1 mL/L (3.8 mL/Gal)	1 mL/L (3.8 mL/Gal)	1 mL/L (3.8 mL/Gal)	1 mL/L (3.8 mL/Gal)	1 mL/L (3.8 mL/Gal)

*\*If Seedling/Cutting stage is longer than one week, repeat doses in Seedling/Cutting column.*

*If Veg stage is longer than four weeks, repeat week 4 as long as needed.*

## Bloom Stage

Week	1	2	3	4	5	6	7	8	9
Hygrozyme®	2 mL/L (7.6 mL/Gal)	2 mL/L (7.6 mL/Gal)	2 mL/L (7.6 mL/Gal)	2 mL/L (7.6 mL/Gal)	2 mL/L (7.6 mL/Gal)	2 mL/L (7.6 mL/Gal)	2 mL/L (7.6 mL/Gal)	2 mL/L (7.6 mL/Gal)	Flushing Period
Hygrozyme® Concentrate	0.4 mL/L (1.5 mL/Gal)	0.4 mL/L (1.5 mL/Gal)	0.4 mL/L (1.5 mL/Gal)	0.4 mL/L (1.5 mL/Gal)	0.4 mL/L (1.5 mL/Gal)	0.4 mL/L (1.5 mL/Gal)	0.4 mL/L (1.5 mL/Gal)	0.4 mL/L (1.5 mL/Gal)	Flushing Period
Hyshield™ (Root Drench)	5 mL/L (18.9 mL/Gal)	5 mL/L (18.9 mL/Gal)	5 mL/L (18.9 mL/Gal)	5 mL/L (18.9 mL/Gal)	5 mL/L (18.9 mL/Gal)	5 mL/L (18.9 mL/Gal)	5 mL/L (18.9 mL/Gal)	5 mL/L (18.9 mL/Gal)	Flushing Period
Hyclean™	0.3 mL/L (1 mL/Gal)	0.3 mL/L (1 mL/Gal)	0.3 mL/L (1 mL/Gal)	0.3 mL/L (1 mL/Gal)	0.3 mL/L (1 mL/Gal)	0.3 mL/L (1 mL/Gal)	0.3 mL/L (1 mL/Gal)	0.3 mL/L (1 mL/Gal)	0.5-1.3 mL/L (2-5mL/Gal) Flush
Hygroben™	1 mL/L (3.8 mL/Gal)	1 mL/L (3.8 mL/Gal)	1 mL/L (3.8 mL/Gal)	1 mL/L (3.8 mL/Gal)	1 mL/L (3.8 mL/Gal)	1 mL/L (3.8 mL/Gal)	1 mL/L (3.8 mL/Gal)	No Application	Flushing Period

*Feed chart rates for all products refers to the lower end of the dosage range.*

*To confirm rates for individual feedings or to determine how much product is needed for your reservoir, see feed calculator on [Hydrozyme.com](https://www.hydrozyme.com).*

*Use this feed chart as a guide only. All Results dependent on external factors.*

## Expert Tips:



We recommend using **HYSHIELD™** as a foliar spray during your veg cycle.



When switching to flower, continue using **HYSHIELD™** as a root drench to maintain the benefits for the whole cycle.



**HYSHIELD™** can also increase your plants essential oil production for an amazing high-quality end product.