

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 Hygrozyme.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.