

HYGROZYME[®]

PRODUCT CATALOG



PREVENT



BOOST



CLEAN



PROTECT



SAVE

HYGROZYME®

is a powerful blend of beneficial enzymes specifically formulated to accelerate the breakdown of dead root matter.

ACTIVE INGREDIENTS:

Cellulase	1000 U/mL	Hemicellulase	75 U/mL
Xylanase	100 U/mL	Beta-Glucanase	40 U/mL



- ✓ INCREASES YIELD
- ✓ AERATES THE ROOT ZONE
- ✓ INCREASES NUTRIENT UPTAKE
- ✓ PREVENTS ROOT ROT
- ✓ SUPPORTS BENEFICIAL MICROBES
- ✓ WORKS AS A COMPOST TEA BOOSTER
- ✓ EFFECTIVE IN ALL GROWING MEDIA & GROWTH STAGES
- ✓ COMPATIBLE WITH ALL NUTRIENT & SUPPLEMENT PROGRAMS

APPLICATION NOTES:

USAGE: 2-2.5mL/L (7.6-9.5mL/Gal)

Recommended to be used with every watering or as determined by your feed schedule.

PROPAGATION PREP: MIX 1.5mL/L (5.7mL/Gal) of water. Soak trays and media prior to use, proceed with a normal regimen.

1L of HYGROZYME® will serve up to 132 Gallons of water once diluted to the appropriate dosage rate.

Hey, I'm Hygrozyme!
Open your camera and
scan to learn more.



- 208L
- 20L
- 10L
- 4L
- 1L
- 500mL

HYGROBEN™

is a microbial root inoculant composed of 5 different bacillus species that are physiologically compatible with each other and work together to enhance yield.

ACTIVE INGREDIENTS:

B. licheniformis 1.0 x 10⁸ CFU/mL
B. subtilis 1.0 x 10⁸ CFU/mL

B. pumilus 5.0 x 10⁷ CFU/mL
B. amyloliquefaciens 5.0 x 10⁷ CFU/mL
B. megaterium 5.0 x 10⁷ CFU/mL



- ✓ INCREASES YIELD THROUGH NITROGEN FIXATION, PHOSPHATE SOLUBILIZATION, AND IMPROVES IRON AVAILABILITY
- ✓ ENHANCES TERPENES AND CANNABINOIDS
- ✓ ENHANCES ROOT MICROFLORA ACTIVITY
- ✓ SUITABLE FOR BOTH AGRICULTURAL AND HORTICULTURAL CROPS
- ✓ EFFECTIVE IN ALL GROWING MEDIA
- ✓ COMPATIBLE WITH MOST NUTRIENT AND SUPPLEMENT PROGRAMS

APPLICATION NOTES:

USAGE: 1-2 mL/L (3.8-7.6 mL/Gal)

Best used within 24 hours after mixing.

Use as a drench/drip application from cutting/seedling stage to 2 weeks before harvest.

1L of HYGROBEN™ serves up to 264 Gallons of water once diluted to the appropriate dosage rate.

Hi, I'm Hygroben!
 Open your camera
 and scan to learn more.



- 208L
- 20L
- 10L
- 4L
- 1L
- 500mL





is a proprietary chelating formula that removes and prevents the buildup of salts and minerals in irrigation lines and grow media.

ACTIVE INGREDIENTS:

Proprietary Chelating Agent



WITHOUT

- ✓ PREVENTS NUTRIENT LOCKOUT
- ✓ PREVENTS CLOGGING IN IRRIGATION LINES
- ✓ WON'T HARM BENEFICIAL MICROBES
- ✓ EFFECTIVE IN ALL GROWING MEDIA & GROWTH STAGES
- ✓ REMOVES EXCESS SALTS, NUTRIENTS & MINERAL BUILDUP
- ✓ REDUCES THE ELECTRICAL CONDUCTIVITY IN THE ROOT ZONE BY UP TO 56% IF USED AS A FLUSHING AGENT



WITH

*Hi, I'm Hyclean!
Open your camera and scan to learn more.*



APPLICATION NOTES:

PREVENTATIVE MAINTENANCE: 0.26 mL/L (1 mL/Gal). Add to reservoir throughout full grow cycle.

DEEP CLEAN: 2-5 mL/L (8-18 mL/Gal). Soak for 24 hours for best results. For heavy buildup, use up to 10 mL/L.

FLUSHING AGENT: 0.26 mL/L (1 mL/Gal). The dosage can be increased to 2-5 mL/Gal to lower the EC faster.

1L of HYCLEAN™ serves up to 1000 Gallons of water once diluted to the appropriate dosage rate.



- 208L
- 20L
- 4L
- 500mL

HYSHIELD

is a chitosan-based formula that triggers the immune system of plants.

ACTIVE INGREDIENTS:

High Molecular Weight Chitosan 1%



AFTER

- ✓ MAXIMIZES YIELD POTENTIAL
- ✓ INCREASES ESSENTIAL OIL PRODUCTION
- ✓ BOOSTS OVERALL HEALTH AND THE STRENGTH OF THE PLANT
- ✓ REDUCES TRANSPIRATION
- ✓ EFFECTIVE IN ALL GROWING MEDIA & GROWTH STAGES
- ✓ COMPATIBLE WITH WATER-SOLUBLE NUTRIENT AND SUPPLEMENT PROGRAMS

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.

1L of HYSHIELD™ serves up to 264 Gallons of water once diluted to the appropriate dosage rate.

Hello, I'm Hyshield!
Open your camera and
scan to learn more.



- 208L
- 20L
- 10L
- 4L
- 1L



CONCENTRATE is 5X more concentrated than our original and sought-after Hygrozyme® formula.

ACTIVE INGREDIENTS:

Cellulase	5000 U/mL	Hemicellulase	375 U/mL
Xylanase	500 U/mL	Beta-Glucanase	200 U/mL



- ✓ DESIGNED FOR COMMERCIAL SIZE OPERATIONS
- ✓ INCREASES YIELD
- ✓ HELPS TO SAVE ON SHIPPING & STORAGE
- ✓ INCREASES NUTRIENT UPTAKE
- ✓ PREVENTS ROOT ROT
- ✓ SUPPORTS BENEFICIAL MICROBES
- ✓ EFFECTIVE IN ALL GROWING MEDIA & GROWTH STAGES
- ✓ COMPATIBLE WITH ALL NUTRIENT & SUPPLEMENT PROGRAMS

APPLICATION NOTES:

USAGE: 0.3–0.5 mL/L (1.1–1.89 mL/Gal)

Recommended to be used with every watering or as determined by your feed schedule.

1L of HYGROZYME® CONCENTRATE serves up to 660 Gallons of water once diluted to the appropriate dosage rate.

Hey, I'm CONCENTRATE!
Open your camera and scan to learn more.



- 208L
- 20L
- 500mL

ABOUT US

Hygrozyme® is a Canadian owned and operated manufacturer that is focused on bringing innovation and sustainability to the horticulture and agriculture industries. We are highly committed to providing customer satisfaction by creating superior products for our markets.

Our experienced team, extensive in-house research and development capabilities, and state of the art laboratory allow us to develop high quality formulations that meet and exceed customer's expectations and fill the needs of an ever-changing industry.

All of our products are manufactured in a modern facility whose quality management system is certified ISO 9001 which ensures our formulations comply with the highest quality standards. Our expertise in regulatory compliance and logistics enables us to reliably deliver products to our customers all around the world.



TESTIMONIALS



"At StoneGrove we are committed to cultivation with a minimal environmental footprint, focusing on socially responsibly grown plants. When making the decision on what companies to align with, we first look to work with other Canadian businesses that share our same ethics and moral values. HYGROZYME has been a staple in our garden for many years, bringing a healthy balance to our root zone, while boosting beneficial microbes and increasing essential nutrient flow. We wouldn't grow without it!"

—**Scott Rutledge, Owner, & Master Grower of StoneGrove**

"My grow was far superior to any past grow. My harvesting is almost done, and I would have to say that it doubled and, in some cases, tripled in size. The root systems were massively improved. This has led to many branches and great height and width."—**Ian**

"We are loving your HYSHIELD Product. Our plants are loving it. We never had stalks so big indoors. Plus, we haven't had any real pests this hot summer. Thank you for a great product. Customer for life!"—**Daniel**

"When the team over at Hygrozyme reached out to see if I wanted to try their new product HYGROBEN, I could not say no, because I already use and have seen the incredible results from HYGROZYME and HYSHIELD. When I started using HYGROZYME and HYSHIELD, I could easily see bigger, healthier plants and roots. If you are looking for that extra push and kick your plants into overdrive, try these other great Canadian products: HYGROZYME, HYGROBEN, HYSHIELD. And don't forget to try the best equipment cleaner, HYCLEAN. It cleans everything trimmers, scissors, irrigation, & growing equipment."

—**Jay, Gorilla Garden**

"Wow, just wow! I ran DWC, and the roots were giving me issues. The product you sent changed everything. I'm definitely buying it. It's a game changer."—**Joe**

"I have to say this product of yours is a must have for autopot systems. I use powder nutrients which usually have a little cloudy, salty look, which clogs lines fast. With your stuff, it's clean and clear. Thanks again."—**Michel**

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HYGROZYME®

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SCAN
TO FIND
A RETAILER