# **®**

# PRODUCT CATALOG



**PREVENT** 

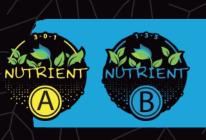


BOOST









**ENHANCE** 

HYGROZYME<sup>®</sup> is a powerful blend of beneficial enzymes specifically formulated to accelerate the breakdown of dead root matter and increase plant yield.

# **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 AND GROWTH STAGES

COMPATIBLE WITH ALL NUTRIENT AND 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

41

• IL

• 500mL

Available in 5X concentrated formula.

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:**

1.0 x 10<sup>8</sup> CFU/mL B. licheniformis B. subtilis 1.0 x 10<sup>8</sup> CFU/mL

5.0 x 10<sup>7</sup> CFU/mL B. pumilus 5.0 x 10<sup>7</sup> CFU/mL B. amyloliquefaciens B. megaterium 5.0 x 10<sup>7</sup> CFU/mL



INCREASES YIELD THROUGH NITROGEN FIXATION, PHOSPHATE SOLUBILIZATION, AND IMPROVES **IRON AVAILABILITY** 

**INCREASES TERPENE AND CANNABINOID CONTENT** 

**ENHANCES ROOT MICROFLORA ACTIVITY** 

SUITABLE FOR BOTH AGRICULTURAL AND **HORTICULTURAL CROPS** 

**EFFECTIVE IN ALL GROWING MEDIA** 

COMPATIBLE WITH MOST NUTRIENT AND SUPPLEMENT PROGRAMS

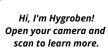
**WORKS AS A COMPOST TEA BOOSTER** 

## **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.





208L

20L

10L

1L

500mL

Nutrient A NPK levels: 3-0-1 Nutrient B NPK levels: 1-3-5



It is a complete nutrient solution that contains the necessary primary, secondary, and micronutrients required for the healthy development of your plants.

This fertilizer system can be used for indoor and outdoor applications on plants such as vegetables, fruits, and flowers.

# Use equal parts of Nutrient A and Nutrient B.

Seedling/Cutting	1.3 – 1.6 mL/L (4.9 - 6.1 mL/gallon)
Vegetative	1.8 – 2.4 mL/L (6.8 - 9.1 mL/gallon)
Flowering	2.1 – 3.4 mL/L (7.9 – 12.9 mL/gallon)

For optimal results, please refer to the detailed feed chart available on Hygrozyme.com prior to use.

# **Nutrient A**

# **Nutrient B**

Guaranteed Analysis:	
Total Nitrogen (N)	1%
1% Nitrate Nitrogen	
Available Phosphoric Acid (P <sub>2</sub> O <sub>5</sub> )	3%
Soluble Potash (K <sub>2</sub> O)	5%
Boron (B)0	.03%
Iron (Fe)0	.15%
0.15% Chelated Iron (Fe)	
Manganese (Mn)0	.05%
0.05% Chelated Manganese (Mn)	
Molybdenum (Mo)0.0	001%

**Derived From:** Monopotassium Phosphate, Potassium Nitrate, Iron DTPA, Iron EDTA, Manganese EDTA, Boric Acid, Sodium Molybdate, Seaweed Extract (Ascophyllum Nodosum) and Potassium Hydroxide.

Hey, We're Nutrient A & Nutrient B! Open your camera and scan to learn more.





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





	Clone	Vegetative					
	Week 1	Week 1	Week 2	Week 3	Week 4	Week 1	Week 2
Nutrient A (3-0-1)	1.5 mL/L	1.8 mL/L	1.8 mL/L	1.8 mL/L	2.3 mL/L	2.3 mL/L	2.3 mL/L
	(5.7 mL/Gal)	(6.8 mL/Gal)	(6.8 mL/Gal)	(6.8 mL/Gal)	(8.7 mL/Gal)	(8.7 mL/Gal)	(8.7 mL/Gal)
Nutrient B (1-3-5)	1.5 mL/L	1.8 mL/L	1.8 mL/L	1.8 mL/L	2.3 mL/L	2.3 mL/L	2.3 mL/L
	(5.7 mL/Gal)	(6.8 mL/Gal)	(6.8 mL/Gal)	(6.8 mL/Gal)	(8.7 mL/Gal)	(8.7 mL/Gal)	(8.7 mL/Gal)
HYGROZYME	1.5 mL/L	2 mL/L	2 mL/L	2 mL/L	2 mL/L	2 mL/L	2 mL/L
	(5.6 mL/Gal)	(7.6 mL/Gal)					
HYGROBEN	1 mL/L						
	(3.8 mL/Gal)						
HYCLEAN	0.3 mL/L						
	(1 mL/Gal)						

**Notes:** 

Hygrozyme: Use with every feeding

Hygroben: Use once per week, recommended to be used within 24 hours of mixing

Hyclean: Use throughout entire grow cycle with every tank refill

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

If the flower cycle is longer than 8 weeks, adjust the feed schedule according to weeks needed to complete the cycle.

To confirm rates for individual feedings or to determine how much product is needed for your reservoir, see feed calculator on www.Hygrozyme.com.

# **PROGRAM**

# Flowering

Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9 (Flush)
2.8 mL/L	2.8 mL/L	2.8 mL/L	3.2 mL/L	2.1 mL/L	2.1 mL/L	FLUSH
(10.6mL/Gal)	(10.6mL/Gal)	(10.6mL/Gal)	(12.1 mL/Gal)	(7.9 mL/Gal)	(7.9 mL/Gal)	
2.8 mL/L	2.8 mL/L	2.8 mL/L	3.2 mL/L	2.1 mL/L	2.1 mL/L	FLUSH
(10.6mL/Gal)	(10.6mL/Gal)	(10.6mL/Gal)	(12.1 mL/Gal)	(7.9 mL/Gal)	(7.9 mL/Gal)	
2 mL/L	2 mL/L	FLUSH				
(7.6 mL/Gal)	(7.6 mL/Gal)					
1 mL/L (3.8 mL/Gal)	No Application	FLUSH				
0.3 mL/L	0.3 mL/L	0.5-1.3 mL/L				
(1 mL/Gal)	(1 mL/Gal)	(2-5 mL/Gal)				



HYGROPUNCH™ is an OMRI certified broad spectrum contact insecticide, miticide and fungicide product containing essential oils for the control and suppression of pests such as spider mites and aphids, and diseases such as powdery mildew.

# **ACTIVE INGREDIENTS:**

Soybean Oil 65% Cinnamon Oil 5% Thyme Oil 5%



WITH

- REQUIRES ZERO-HOUR RE-ENTRY AND ZERO DAY POST-HARVEST INTERVALS
- CONTROLS AND SUPPRESSES SPIDER MITES, APHIDS, POWDERY MILDEW, AND MORE
- MINIMAL P.P.E. REQUIREMENT
- SAFE FOR PLANTS AND THE ENVIRONMENT
- EFFECTIVE IN ALL GROWING MEDIA AND GROWTH STAGES

Foliar Application Dosage Red	Application Interval	
Preventative	0.5% (19 mL/gallon)	7 - 10 days
Light disease pressure or infestation	1.0% (38 mL/gallon)	7 - 10 days
Moderate disease pressure or infestation	1.5% (57 mL/gallon)	4 - 7 days
Heavy disease pressure or infestation	2.0% (76 mL/gallon)*	3 - 4 days

<sup>\*</sup>Do not exceed 2% (76 mL/gallon)

We recommend applying Hygropunch™ only up to the first 2-3 weeks of the flowering stage with a maximum dosage of 1.0% (38 mL/gallon) or less.

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





- 2081
- **20L**
- 4L
- 11
- 500mL



HYCLEAN™ is an irrigation line cleaner with a proprietary chelating formula to prevent and remove the buildup of excess salts and minerals in drip lines, media and equipment, and is compatible with beneficial microbes and living organisms.

# **ACTIVE INGREDIENTS:**

**Proprietary Chelating Agent** 





PREVENTS CLOGGING IN IRRIGATION LINES

COMPATIBLE WITH BENEFICIAL MICROBES AND LIVING ORGANISMS

EFFECTIVE IN ALL GROWING MEDIA & GROWTH STAGES

REMOVES EXCESS SALTS, NUTRIENTS & MINERAL BUILDUP

**EXCELLENT CHOICE FOR SYNGANIC FARMING** 



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 $^{\mathbf{M}}$  serves up to 1000 Gallons of water once diluted to the appropriate dosage rate.







208L

20L

4L

• 500mL

HYSHIELD™ is a natural plant immunity booster made from CHITOSAN, formulated to trigger the plant's natural defense response, increase essential oil production and maximize yield potential by boosting the overall health and strength of your plants.

# **ACTIVE INGREDIENTS:**

High Molecular Weight Chitosan

1%



- 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 $^{\mathrm{M}}$  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

# **ABOUT US**

Hygrozyme<sup>®</sup> is a proudly Canadian-owned and operated manufacturer with a legacy spanning over 50 years, since 1974.

We have consistently led the way in innovation and sustainability within the horticulture and agriculture sectors. Our unwavering commitment to excellence is reflected in the superior quality of our products, which are crafted to meet the evolving needs of these industries.

Our seasoned team, supported by extensive in-house research and development capabilities, and state-of-the-art laboratory allow us to develop high-quality formulations that not only satisfy but exceed the expectations of our valued customers and address the demands of a dynamic and evolving industry.

All our products are proudly manufactured in our modern, fully equipped facility.

With a strong focus on regulatory compliance and efficient logistics, we ensure our products are reliably delivered worldwide to customers.

At Hygrozyme® we remain true to our core values of integrity, quality, and sustainability, as we continue to shape the future of the horticulture and agriculture industries.





# **WE GROW RESPONSIBLY!**



@hygrozyme4growers



1.800.565.3070
INFO@HYGROZYME.COM
WWW.HYGROZYME.COM



WHERE TO BUY ONLINE

EST.1974