

# HYGROZYME®



**HYGROZYME® Concentrate** is a twist on our original trusted formula, just 5x stronger, making it a perfect choice for large scale growers. It contains a powerful blend of beneficial enzymes specifically formulated to accelerate the breakdown of dead root matter and prevent root rot - a process that unlocks essential nutrients for your plants. The proprietary formula also feeds beneficial microbes, supercharging the root zone.

Root rot starts in dead roots and spreads to healthy roots, stealing nutrients and eventually killing the plant. **PREVENTION IS KEY**, as there is no cure for root rot.

### How does **HYGROZYME® Concentrate** work?

Enzymes work like a “lock & key”, they are highly specific to the substrate they are intended to break down. The main component of dead root matter is CELLULOSE (Lock), which requires the enzyme CELLULASE (Key) to catalyze the breakdown. Cellulase is the key active ingredient in **HYGROZYME® Concentrate**.

Through third party laboratory testing, **HYGROZYME® Concentrate** has been proven to provide the following benefits:

1. Increase dry flower yield up to 20%.
2. Increase total cannabinoids up to 15%.
3. Increase flower diameter up to 6%.
4. Prevent root rot.

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:

- ✓ Usage: 0.4-0.5mL per Liter of water recommended to be used with every watering, or as determined by your feed schedule.
- ✓ Effective in all growing media and growth stages.
- ✓ Compatible with all nutrient and supplement programs.
- ✓ Works as a compost tea booster.
- ✓ Active Ingredients:
  - 5,000 U/mL Cellulase
  - 500 U/mL Xylanase
  - 375 U/mL Hemicellulase
  - 200 U/mL Beta-Glucanase

## Units needed for Grow Cycle

Name	Size	Total Gallons of water per week	1,000 Gallons (3,785L)	2,000 Gallons (7,570L)	3,000 Gallons (11,356L)	4,000 Gallons (15,141L)
Hygrozyme Concentrate	20L	Units needed for whole cycle	2	3	4	5
Hygrozyme Concentrate	208L					
Hygroben	500 mL					
Hygroben	1L					
Hygroben	4L					
Hygroben	10L					
Hygroben	20L		5		5	
Hygroben	208L			1	1	2
Hyshield	1L					
Hyshield	4L					
Hyshield	10L					
Hyshield	20L		5	10	15	20
Hyclean	500 mL					
Hyclean	4L		2		1	2
Hyclean	20L		1	3	4	5
Hyclean	208L					

### Product Needed for a Full Grow Cycle\*

*\*Units needed for a full run (based on total weekly water consumption, 4 week clone/veg and 8 weeks flower.)*

*\*\* Hyshield Calculations made based on 2 mL/L.*

*\*\*\*Hygrozyme Calculations made based on 2.5 mL/L.*

*\*\*\*\*Hyclean Calculations include enough product for your grow cycle, plus a deep clean and equipment soak.*

*To confirm rates for individual feedings or to calculate leftover product for cleaning, see feed calculator on Hygrozyme Website.*

## Feed Schedule

Preventative Maintenance	Week	mL of product per Liter of Water	oz. of product per Gallon of Water
Seedling/Cutting Stage	1	0.3 mL/L	0.04 oz./Gal
	2	0.3 mL/L	0.04 oz./Gal
Vegetative Stage	3	0.4-0.5mL/L	0.05-0.06 oz./Gal
	4	0.4-0.5mL/L	0.05-0.06 oz./Gal

Preventative Maintenance	Week	mL of product per Liter of Water	oz. of product per Gallon of Water
Flowering Stage	5	0.4-0.5mL/L	0.05-0.06 oz./Gal
	6	0.4-0.5mL/L	0.05-0.06 oz./Gal
	7	0.4-0.5mL/L	0.05-0.06 oz./Gal
	8	0.4-0.5mL/L	0.05-0.06 oz./Gal
	9	0.4-0.5mL/L	0.05-0.06 oz./Gal
	10	0.4-0.5mL/L	0.05-0.06 oz./Gal
	11	0.4-0.5mL/L	0.05-0.06 oz./Gal
	12	0.4-0.5mL/L	0.05-0.06 oz./Gal
Flushing Period	13	Flush	

Propagation prep: Mix 0.3 mL of **HYGROZYME® Concentrate** per Liter of water, or 0.04 Oz per Gallon. Soak trays and media prior to use. Proceed with normal regimen.

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