RHYZ SEED ENHANCER

MIXING AND APPLICATION GUIDELINES

Rhyz is a two-part biological seed enhancement system designed to improve germination, strengthen early roots, support uniform emergence, and enhance early season vigor.

1 MIXING THE SOLUTION

The Rhyz system is a two-part product that must be diluted before application.

STANDARD MIX RATIO BY VOLUME

1 PART	**Advantage** (Component A)
1 PART	**Rhyz** (Component B)
20 PARTS	**Water**
TOTAL = 22 PARTS SOLUTION	

EXAMPLE

10 L Advantage (Part A)
+ 10 L Rhyz (Part B)
+ 200 L Water
= 220 L Total Solution

This ratio ensures proper biological activation and even seed coverage.

IMPORTANT: Select the rate for crop and seed size with professional agricultural advice.

2 TARGET APPLICATION RATE

350 - 500 mL
per 100 kg of seed

Adjust within the 350-500 mL range based on crop and seed size.

GOAL: Seed should be evenly coated and slightly damp, not wet or dripping.

3 APPLICATION METHODS

A SEED TREATER
BEST FOR LARGE VOLUME TREATING AND STORAGE

MIX

10 L Advantage (A)
10 L Rhyz (B)
200 L water

APPLICATION

Run through a seed treater system.
Apply 350-500 mL mixed solution per 100 kg (220 lb) of seed.

Treat seed before planting.

B AUGER APPLICATION WITH PUMP SPRAYER
BEST FOR ON-FARM USE WITH MINIMAL EQUIPMENT

MIX SMALL BATCH

1 L Advantage (A)
1 L Rhyz (B)
Add 20 L water = 22 L total

APPLICATION

Load into a pump or backpack sprayer.
Apply evenly as seed moves up the auger.

TARGET: 350-500 mL per 100 kg
Seed should feel damp, not dripping.

C TREATING WHILE FILLING THE DRILL
BEST FOR EFFICIENT, REAL-TIME APPLICATION

MIX

10 L Advantage (A)
10 L Rhyz (B)
200 L water

APPLICATION

Apply as seed is loaded into the drill.
Maintain consistent flow and agitation.

TARGET RATE
350-500 mL per 100 kg
(220 lb) of seed

4 CROP RATE REFERENCE

Approximate total solution required per 100 kg of seed

CROP	BUSHEL WEIGHT (lb)	LOW RATE (mL/bu)	HIGH RATE (mL/bu)	BU / 100 kg	LOW RATE / 100 kg (mL)	HIGH RATE / 100 kg (mL)
Wheat	60	95.3	136.1	3.67	350	500
Barley	48	76.2	108.9	4.59	350	500
Oats	34	54.0	77.1	6.48	350	500
Canola	50	79.4	113.4	4.41	350	500
Soybeans	60	95.3	136.1	3.67	350	500
Peas	60	95.3	136.1	3.67	350	500
Lentils	60	95.3	136.1	3.67	350	500
Corn	56	88.9	127.0	3.94	350	500

Adjust within the 350 - 500 mL range based on seed size and coverage.

5 BEST PRACTICES

MIXING
- Add water first, then components A and B
- Agitate thoroughly before and during application
- Keep solution moving to prevent settling

APPLICATION
- Ensure uniform coverage across all seed
- Avoid over-application
- Calibrate equipment before starting

COMPATIBILITY
- Compatible with most seed treatments and inoculants
- Jar test if combining with other products

6 STORAGE AND HANDLING

- Store in a cool, dry location
- Keep out of direct sunlight
- Do not freeze
- Shake or agitate before use

Johnston's Regenerative

PHONE: 1-844-324-7778 | WEBSITE: www.johnstonsgrain.com

RHYZ APPLICATION CHECK & TROUBLESHOOTING GUIDE

Proper application ensures even biological coverage, strong germination, and consistent field performance.

7 VERIFYING PROPER APPLICATION

THE TARGET

- Evenly coated
- Slightly damp
- Free flowing
- Not wet or clumping

GOAL:
Seed should be evenly coated and slightly damp, not wet or dripping.

8 QUICK FIELD CHECK METHODS

A VISUAL CHECK

LOOK FOR:

- Light, even coating
- Slight sheen (not glossy or wet)
- No visible dry or untreated seed

B HAND TEST

HOW TO CHECK:

- Grab a handful of treated seed
- Toss lightly between your hands
- Let the seed fall freely

IDEAL RESULT:

- Seed flows freely
- No sticking or clumping
- Even coating is visible

9 TROUBLESHOOTING GUIDE

TOO LITTLE APPLICATION

SYMPTOMS

- Seed appears dry or dusty
- Uneven or patchy coverage
- Some kernels look untreated

WHAT IT MEANS

Not enough total liquid applied or poor spray pattern and placement.

CORRECTION

- Verify the 1:1:20 mix ratio
- Increase the application rate within the approved range
- Ensure even spray distribution

TOO MUCH APPLICATION

SYMPTOMS

- Seed appears wet, shiny, or tacky
- Clumping or sticking together
- Build-up in auger, treater, or tank

WHAT IT MEANS

Excess total liquid applied or over-application in one area.

CORRECTION

- Verify the 1:1:20 mix ratio
- Reduce the application rate within the approved range
- Improve spray distribution

10 APPLICATION REMINDERS

- ✓ Maintain consistent agitation during application
- ✓ Use a fine mist spray pattern - not a stream
- ✓ Ensure even distribution across all seed
- ✓ Re-check calibration when changing seed size, crop type, or auger speed

11 BEST PRACTICES

CHECK FREQUENCY

- Check seed within the first 50 - 100 bushels
- Re-check periodically throughout treating

MAKE ADJUSTMENTS

- Make small changes early
- Watch seed flow and coverage

MAINTAIN CONSISTENCY

- Keep auger speed steady
- Maintain even spray for uniform results

12 SIMPLE RULE TO FOLLOW

If it's dusty - raise the rate within range
If it's sticking - lower the rate within range
If it flows clean - it's right

IMPORTANT

- Treat seed before planting
- Apply 350-500 mL per 100 kg (220 lb) of seed

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