



# Comparison of Experimental Phosphorus RD-13 to Pro-Germinator ( Multi-Site )

## Experiment Info:

Planted:

Harvest:

Yield Goal:

Target Fert.:

Variety:

Population:

Row Width:

Prev. Crop:

Plot Size:

Replications:

## Soil Test Values (ppm):

pH:

CEC:

%OM:

Bray P1:

Bicarb P:

K:

S:

%K:

%Mg:

%Ca:

%H:

Zn:

Mn:

B:

## Objective:

Evaluate the experimental phosphorus product RD-13.

First tested in 2013, RD-13 was developed as an improvement on storability for Pro-Germinator with the addition of sulfur, without sacrificing performance and has an analysis of 8-23-3-S. AgroLiquid works hard to continually improve upon its products to provide the best materials for its customers.

In year three of testing at the NCRS, experimental products move into wide scale testing on many different crops. This year RD-13 was tested on four different crops: corn, soybeans, sugarbets, and navy beans. Corn and soybeans had two testing sites each, the others were just one site.

Because this is a summary of multiple sites, soil and experiment information is not listed. Please contact an AgroLiquid researcher for details of a specific experiment. Average crop yields appear on the chart below.

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*North Central Research Station - 2015*

Crop	# Sites	Check	Pro-Germ.	RD-13	Rate/A
Corn (bu/A)	2	185.6	202.6	200.9	5
Soybeans (bu/A)	2	48.4	55.0	56.3	3, 6
Sugabeets (tons/A)	1	27.1	31.9	31.6	3
Navy Beans (cwt/A)	1	20.3	22.2	21.8	4

## Conclusions:

- As seen in past testing there is little difference between RD-13 and Pro-Germinator on corn and soybeans. Furthermore, expanded testing to sugarbeet and navy beans found similar results. This supports the positioning statement that RD-13 is an improvement on storability for Pro-Germinator without sacrificing performance.
- In this year's test on RD-13 on sunflowers, the yield of RD-13 was lower than Pro-Germinator, however this is not consistent with findings on other crops. Testing will continue next year.
- The chemistry and product development department continues to work on storability test of RD-13, contact them for more information on this research.