



# **4R Nutrient Stewardship Report**

## **Example Farm 2 2024**

Congratulations! Your farm has achieved Advanced 4R performance in most categories, surpassing many industry standards in 4R Nutrient Stewardship. This is an inspiring rank of performance and exemplifies your farms first in class success towards impressive sustainability objectives.

The 4R Nutrient Stewardship Program currently gives direction on the performance levels of 4R practices of the Right Source, at the Right Rate, Right Time, in the Right Place. The performance levels are rated at Basic, Intermediate and Advanced with the goal being to work toward Advanced levels, which increases the economic and environmental sustainability of these practices, whether it be managing Greenhouse Gas Emissions, or excess nitrogen and phosphorus that may pose a risk to surface waters.

Currently, Nitrogen and Phosphorus fertilizers are the only nutrients that have set parameters for 4R practices guided by Fertilizer Canada. There are many considerations taken when determining a performance level for each nutrient on an individual farm.

The 4R Nutrient Stewardship Report is completed by your SWAT Certified, 4R Designated agronomist. It is a tool to analyze your investment in improving soil management, visualizing it both at the crop and farm level.

On your farm, phosphate is managed at an advanced level across the entire farm. Utilizing a proper source in the spring, and variable rating it through SWAT MAPS, independantly from nitrogen, contribute to this performance level.

Nitrogen performance has a range from intermediate to advanced as we have utilized floating sulphur fines in the fall for 2024s canola crop. This is a relatively small percentage of the nitrogen used, but is a consideration in regards to timing and placement. Utilizing ESN, variable rate through SWAT MAPS, and the remainder of nitrogen being spring applied, allows canola performance to be reported as intermediate, with the rest of the crop acres achieving advanced. Pulse acres achieve advanced performance with nitrogen, simply by utilizing inoculant.

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**4R Field Summary**

**Example Farm 2**

**2024**

Field	Crop	Acres	4R Nitrogen Management				4R Phosphate Management			
			Not Qualified	Basic	Intermediate	Advanced	Not Qualified	Basic	Intermediate	Advanced
1	Barley	192				x				x
2	Canola	124.8			x					x
3	Wheat	139.2				x				x
4	Canola	155.7			x					x
5	Wheat	153.4				x				x
6	Wheat	146.2				x				x
7	Peas	131				x				x
8	Canola	144			x					x
9	Wheat	157.5				x				x
10	Barley	142				x				x
11	Canola	159.4			x					x
12	Canola	224.9			x					x
13	Peas	145.4				x				x
14	Wheat	140.9				x				x
15	Wheat	163.3				x				x
16	Wheat	113.9				x				x
17	Barley	145				x				x
18	Canola	143.5			x					x
19	Wheat	138.5				x				x
20	Wheat	145.6				x				x
21	Wheat	140.3				x				x
22	Canola	137.4			x					x
<b>Total</b>		<b>3283.9</b>	<b>0</b>	<b>0</b>	<b>1089.7</b>	<b>2194.2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3283.9</b>



**4R Crop Summary**

**Example Farm 2**

**2024**

Crop	Total Acres	Column 1	4R Nitrogen Management				4R Phosphate Management			
			Not Qualified	Basic	Intermediate	Advanced	Not Qualified	Basic	Intermediate	Advanced
Canola	1089.7		0	0	1089.7	0	0	0	1089.7	
Wheat	1438.8		0	0	0	1438.8	0	0	1438.8	
Barley	479		0	0	0	479	0	0	479	
Peas	276.4		0	0	0	276.4	0	0	276.4	

