

**2019 Evaluation and Enhancement of Dry Pea Protein Content***Shana Forster, Eric Eriksmoen, Hannah Worrall, Thomas Stefaniak*

Treatment <sup>†</sup>	NDVI		Test Weight lbs/bu	Yield bu/A	Protein %
	1-Jul 0-100	12-Jul 0-100			
<b>AGASSIZ</b>					
Untreated	67	71	63.7	48.0	25.7
1st flower	67	72	63.3	49.0	25.8
Mid bloom	65	71	63.7	48.1	26.0
90% bloom	65	72	63.8	47.7	25.8
<b>ND Experimental</b>					
Untreated	66	73	63.8	49.2	24.6
1st flower	67	73	63.5	49.6	25.0
Mid bloom	68	72	63.8	50.1	25.0
90% bloom	67	73	63.6	49.2	24.9
<b>AAC CARVER</b>					
Untreated	68	71	64.2	50.8	24.4
1st flower	66	70	64.8	50.6	24.2
Mid bloom	67	71	65.0	51.3	24.1
90% bloom	69	71	64.9	50.6	24.3
Trial Mean	67	72	64.0	49.5	25.0
C.V.%	4.2	1	0.6	3.6	1.2
LSD 5%	NS	1	0.4	NS	0.4
LSD 10%	NS	1	0.3	1.7	0.3

NDVI=Normalized Difference Vegetation Index

NS = no statistical difference between varieties.

<sup>†</sup> Application of 20 gal/A with a 50:50 mixture of UAN and water applied with at hand held boom on June 26, June 30, and July 12 correspond to 1st flower, mid bloom, and 90% flower, respectively

Planted on May 7 with a seeding rate of 350,000 PLS/A and harvested on August 6.

Previous Crop: HRSW

Tillage: minimum till