

2020 Evaluation and Enhancement of Dry Pea Protein Content

Treatment	Timing	Rate	NDVI	NDVI	Test	Yield bu/A	Protein %
			23-Jun	15-Jul	Weight lbs/bu		
PROFIT							
Untreated			52	68	64.2	52.6	25.5
UAN [†]	First flower	20 gal/A	50	67	63.7	52.2	25.7
UAN	90% flower	20 gal/A	51	67	64.3	50.5	25.5
Double Inoculation [‡]	At planting	5 lb/A + 5 oz/cwt	52	68	64.3	51.8	25.8
Urea	At planting	200 lb/A	52	70	63.7	58.6	26.8
Miravis Top Fungicide	First flower	13.7 oz/A	52	68	64.5	54.3	25.6
Boost 10	At planting	10 oz/A	51	68	64.1	52.6	25.6
Nutricycle	At planting	8 oz/cwt	53	66	64.3	48.1	25.3
AAC CARVER							
Untreated			52	67	64.9	48.3	24.6
UAN	First flower	20 gal/A	51	67	64.8	48.6	24.3
UAN	90% flower	20 gal/A	52	72	64.9	51.1	24.8
Double Inoculation	At planting	5 lb/A + 5 oz/cwt	51	72	64.8	50.3	24.6
Urea	At planting	200 lb/A	54	70	64.3	60.0	25.0
Miravis Top Fungicide	First flower	13.7 oz/A	47	66	64.8	50.5	24.3
Boost 10	At planting	10 oz/A	54	67	64.8	48.1	24.8
Nutricycle	At planting	8 oz/cwt	50	68	64.5	49.2	24.5
Trial Mean			51.5	68.2	64.4	51.7	25.2
C.V.%			3	6	0.8	6.8	1.8
LSD 10%			3	NS	0.5	3.4	0.4

NDVI=Normalized Difference Vegetation Index

NS = no statistical difference between varieties.

[†] UAN Application of 20 gal/A with a 50:50 mixture of UAN and water applied with at hand held boom on June 26 and July 3 correspond to 1st flower and 90% flower, respectively

[‡] Double Inoculation of Tag Team granular and N-Charge peat for Field Pea Planted on April 30 with a seeding rate of 350,000 PLS/A and harvested on August 3.

Previous Crop: 2017 = barley, 2018 = soybean, 2019 = HRSW

Tillage: minimum till