

**NPARA**

NP18-4 Yellow Pea Variety Trial	
Trial ID: NP18-4 Yellow Pea Variety Trial	Location: NPARA Trial Year: 2018
Protocol ID: NP18-4 Yellow Pea Variety	Investigator: Tom Fromme
Crop: Other	Study Director:
Project ID: NP18-4 Yellow Pea Variety	Sponsor Contact:

General Trial Information	
<b>Investigator:</b> Tom Fromme	<b>Title:</b> Research Coordinator
<b>Trial Location</b>	
<b>City:</b> North Star	<b>Country:</b> CAN Canada
<b>State/Prov.:</b> Alberta	
<b>Postal Code:</b> T0H 2T0	<b>Climate Zone:</b> USMOU US Mountain
<b>Conducted Under GLP:</b> No	
<b>Conducted Under GEP:</b> No	

<b>Investigator:</b> Tom Fromme	<b>Title:</b> Research Coordinator
<b>Organization:</b> North Peace Applied Research Association	
<b>Address:</b> Box 750	<b>Phone No.:</b> (780) 836-3354
<b>City+State/Prov:</b> Manning	
<b>Postal Code:</b> T0H 2M0	<b>E-mail:</b> tom@npara.ca
<b>Country:</b> CAN	Canada

Crop Description	
<b>Crop 1:</b> PIBSA	Pisum sativum arvense Field pea
	<b>Planting Date:</b> 6/14/2018
	<b>Planting Method:</b> DRILLE drilled
	<b>Planting Equipment:</b> DD Disc Drill
<b>Depth:</b> 1.5 IN	
<b>Row Spacing:</b> 9 IN	<b>Harvest Date:</b> 9/26/2018
	<b>Harvested Width:</b> 1.4 m
<b>Rows per Plot:</b> 6	<b>Harvested Length:</b> 8 m
<b>Planting Density:</b> 10 P/FT2	<b>Harvest Equipment:</b> plot harvester
<b>Soil Temperature:</b> 10 C	<b>% Standard Moisture:</b> 16

Site and Design	
<b>Treated Plot Width:</b> 1.4 m	
<b>Treated Plot Length:</b> 8 m	
<b>Treated Plot Area:</b> 11.2 m <sup>2</sup>	<b>Treatments:</b> 10
<b>Replications:</b> 3	<b>Tillage Type:</b> NOTILL no-till
	<b>Study Design:</b> RACOBL Randomized Complete Block (RCB)

Maintenance							
No.	Date	Type	Maintenance Product Name	Form Conc	Form Type	Rate	Rate Unit
1.	6/22/2018	MAINT	Basagran	4	WS	910	mL/ac
2.	7/4/2018	MAINT	Assure II			300	mL/ac
3.	7/4/2018	MAINT	Merge			1	%v/v
4.	8/21/2018	MAINT	Reglone			690	mL/ac

**Field Prep./Maintenance:**  
May 9, 2018  
123 lbs/ac 11-52-0-0

May 14, 2018  
3 gal/ac Alpine G22 at seeding

August 21, 2018  
Dessicated trial

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Pest Type	PIBSA	PIBSA	PIBSA	PIBSA
Pest Code	BVPU	BVPU	BVPU	BVPU
Pest Name				
Crop Code	PIBSA	PIBSA	PIBSA	PIBSA
BBCH Scale	BVPU	BVPU	BVPU	BVPU
Crop Scientific Name	Pisum sativum >	Pisum sativum >	Pisum sativum >	Pisum sativum >
Crop Name	Field pea	Field pea	Field pea	Field pea
Rating Date				
Part Rated				
Rating Type	SHATTR	MOICON	YIELD	YIELD
Rating Unit	1/4 m2	percent	g	BU
Sample Size, Unit			PLOT	A
Number of Subsamples	1	1	1	1
Crop Stage Scale				
Crop Stage Majority				
Pest Density, Unit				
Footnote Number				
Assessed By				
Data Entry Date				
Days After Emergence				
ARM Action Codes		ET7		TY2
Number of Decimals				1
Entry No.	1	2	3	4
Entry Name				
1 Agassiz	6.7 a	15.63 a	1768.47 a	23.6 a
2 Early Star	3.7 a	15.77 a	3206.83 a	42.7 a
3 Thunderbird	4.3 a	15.63 a	2269.90 a	30.3 a
4 CDC Amarillo	3.3 a	15.67 a	2538.13 a	33.8 a
5 AAC Barrhead	4.3 a	15.30 a	2264.03 a	30.3 a
6 CDC Lewochko	4.0 a	15.87 a	2283.83 a	30.4 a
7 CDC Inca	4.3 a	15.50	2914.87 a	38.9 a
8 AAC Carver	5.0 a	15.63 a	2197.23 a	29.3 a
9 AAC Lacombe	6.3 a	15.80 a	2685.33 a	35.7 a
10 Meadow	6.3 a	16.17 a	3360.53 a	44.6 a
LSD P=.05	3.85	0.652	1402.107	18.69
Standard Deviation	2.25	0.377	817.367	10.89
CV	46.49	2.4	32.07	32.08
Levene's F	0.219	0.389	0.59	0.575
Levene's Prob(F)	0.988	0.913	0.791	0.802
Skewness	0.4039	0.8502	-0.4241	-0.4266
Kurtosis	-0.3426	0.963	0.0889	0.1046
Replicate F	0.640	0.630	3.363	3.385
Replicate Prob(F)	0.5386	0.5455	0.0574	0.0565
Treatment F	0.855	1.141	1.101	1.084
Treatment Prob(F)	0.5790	0.3893	0.4095	0.4196

<u>Crop Code</u>	PIBSA, BVPU, Pisum sativum arvense, Field pea = US
<u>Rating Type</u>	SHATTR = grain shattering MOICON = moisture content YIELD = yield
<u>Rating Unit</u>	g = gram BU = bushel
	PLOT = total plot A = acre
<u>ARM Action Codes</u>	ET7 = Excluded treatment 7 TY2 = 0.0132766*[C3]*(100-[C2])/84

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls).  
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.