

## Small Plot Inc

Trial ID: CROPAID20 PULSE	Location: VULCAN	Trial Year: 2019
Protocol ID: CROPAID20 WHT PULSE	Investigator (Creator): Todd Morrison, P.Ag.	
Project ID: CROP AID NUTRITION INC	Study Director: Kelvin Sander	
	Sponsor Contact:	

### General Trial Information

**Study Director:** Kelvin Sander  
**Investigator:** Todd Morrison, P.Ag. **Title:** Managing Director

**Trial Status:** E established  
**ARM Trial Created On:** Apr-24-2020

**Conducted Under GLP:** No  
**Conducted Under GEP:** No

### Crop Description

**Crop 1:** C PIBSA Pisum sativum arvense Field pea  
**Entry Date:** Dec-1-2020 **Stage Scale:** BBCH  
**Planting Date:** May-19-2020  
**Planting Method:** DRILLE drilled  
**Planting Equipment:** PD plot drilling machine  
**Harvested Width:** 1.5 m  
**Harvested Length:** 8 m  
**% Standard Moisture:** 15

Crop Type, Code	C PIBSA	C PIBSA	C PIBSA
Crop Name	Field pea	Field pea	Field pea
Rating Date	Aug-19-2020	Aug-19-2020	Aug-19-2020
Part Rated	PLOT C	PLOT C	PLOT C
Rating Type	YIELD	YIELD	YIELD
Rating Unit	kg	kg	BU
Number of Subsamples	2	2	2
Days After First/Last Applic.	92 55	92 55	92 55
Trt-Eval Interval	92 DA-A	92 DA-A	92 DA-A
ARM Action Codes			TY1
Number of Decimals			0
Trt Treatment	Rate	Appl	
No. Name	Rate Unit	Code	
1 UNTREATED CHECK NO CROPAID	4.8600 -	1*	60 -
2 CROP AID SEED	3.7 ml ai/kg B	2*	63 -
CROP AID PLUS	0.25 l/acre A		
CROP AID PLUS	0.25 l/acre C		
CROP AID REACT	1 l/acre C		
LSD P=.05	0.56471	0.14161	6.9
Standard Deviation	0.25094	0.06293	3.1
CV	5.03	0.41	4.99
Levene's F	0.795	1.421	0.773
Levene's Prob(F)	0.407	0.278	0.413
Skewness	0.3571	-0.1161	0.3395
Kurtosis	-0.2919	0.3223	-0.3279
Replicate F	1.834	3.359	1.818
Replicate Prob(F)	0.3154	0.1731	0.3179
Treatment F	2.106	0.052	2.132
Treatment Prob(F)	0.2426	0.8346	0.2404

### Crop Type, Code

C = EPPO species (Bayer) codes  
 PIBSA, BVPU, Pisum sativum arvense, Field pea = US

### Part Rated

PLOT = plot  
 C = Crop is Part Rated

### Rating Type

YIELD = yield

### Rating Unit

kg = kilogram

BU = bushel

### ARM Action Codes

TY1 =  $12.39149 * [1] * (100 - [2]) / 85$

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ARM Action Codes			TY1
Number of Decimals			0

  

Trt Treatment	Rate	Appl			
No. Name	Rate Unit	Code	Plot	1	2
1 UNTREATED CHECK NO CROPAID					
		101		4.5445	15.4410
		201		5.0860	15.5535
		301		5.0565	15.4370
		401		4.7530	15.5065
		Mean =		4.8600	15.4845
2 CROP AID SEED	3.7 ml ai/kg B	102		4.8885	15.5355
CROP AID PLUS	0.25 l/acre A	202		5.5055	15.6270
CROP AID PLUS	0.25 l/acre C	302		4.7940	15.3440
CROP AID REACT	1 l/acre C	402		5.2820	15.4720
		Mean =		5.1175	15.4946

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ARM Action Codes  
 TY1 =  $12.39149 * [1] * (100 - [2]) / 85$

### Trial Comments

The Peas this year were seeded into good moisture and received good moisture right after seeding. The plant stand was nice at 8 plants per foot. Weeds, disease and insects were all very low for the trial this year. Disease started to show up in late july but then the heat took care of it. The peas were taller this year but stood nice for harvest. We do see a yield increase in year 2 of this rotation. Rainfall was good for May-July. August was hot and dry however and matured everything faster than anticipated.