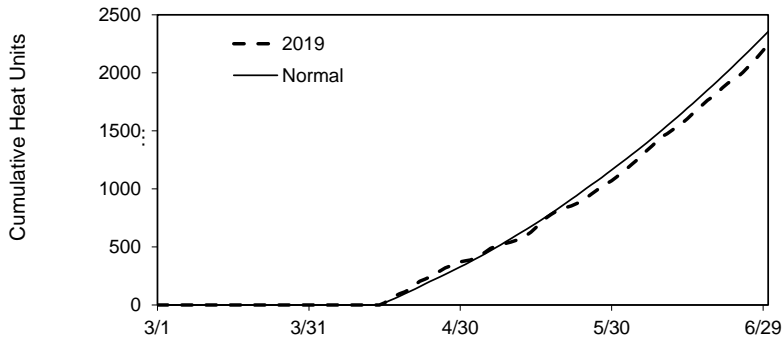
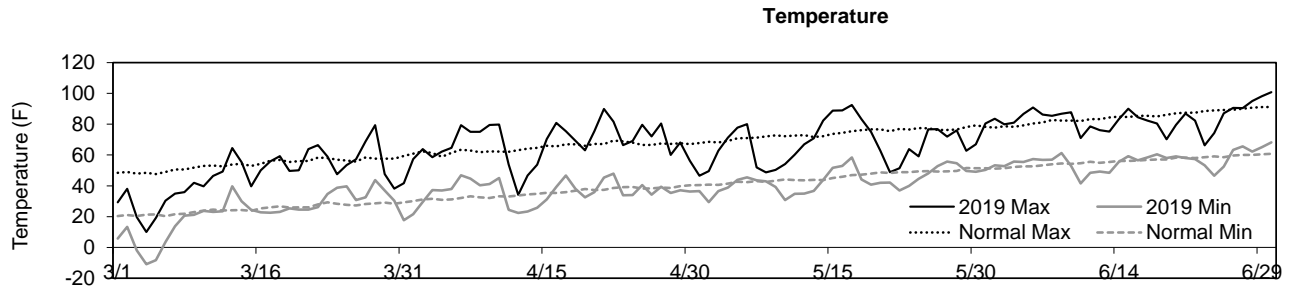
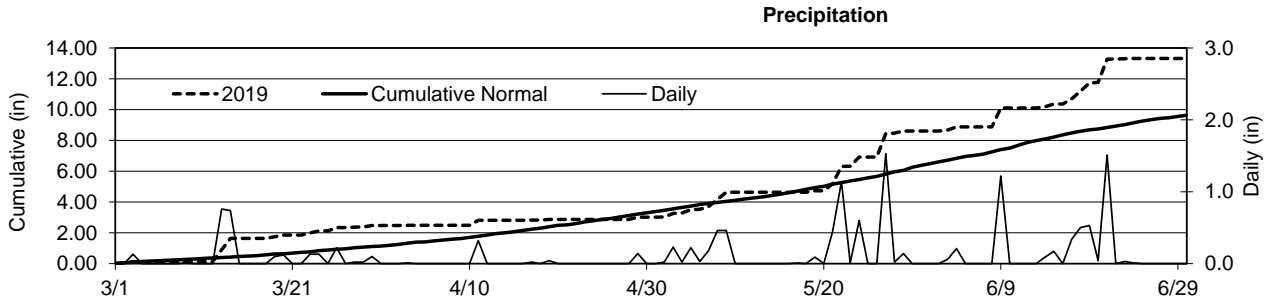


## Decatur County Dryland Field Pea Performance Test, 2019

<b>County:</b>	Decatur County Dryland		
<b>Location:</b>	2 mi. W, 1/2 mi. N of Lyle		
<b>Soil Type:</b>	Holdrege Silt Loam, 1-3% Slope		
		<b>Previous Crop:</b>	Forage Sorghum
<b>Seeding Rate:</b>	365,000 PLS seed/a	<b>Pre-Emerge Herbicide:</b>	0
		<b>Post-Emerge Herbicide:</b>	None
<b>Dates:</b>			
Planting:	4/16/2019		
Harvest:	7/22/2019		



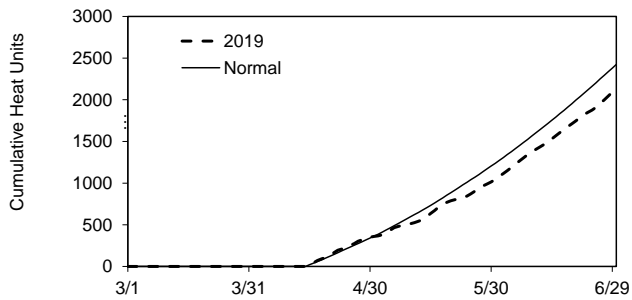
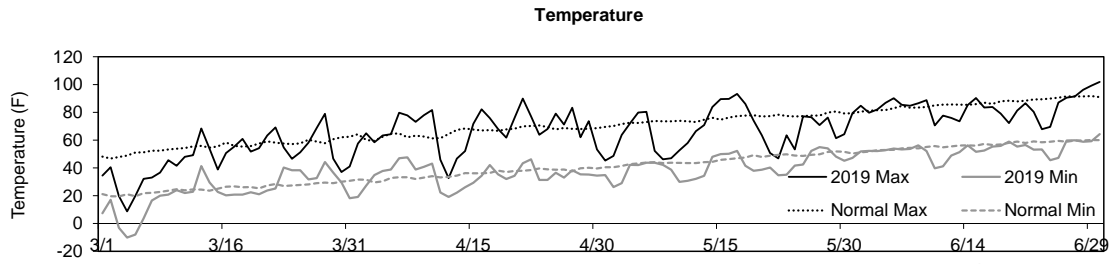
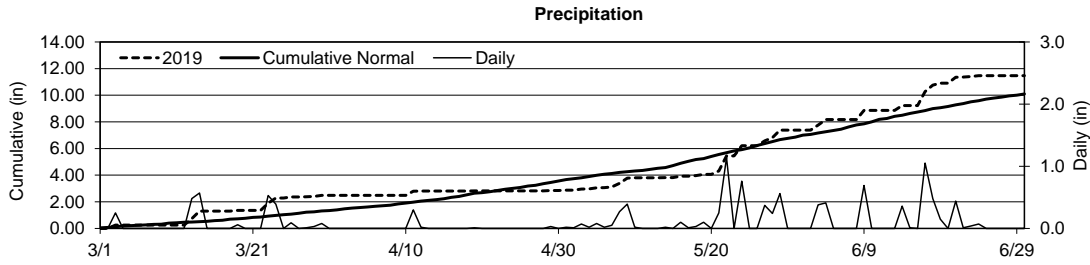
Month	Avg Temp		Precipitation		Heat Units	
	2019	Normal	2019	Normal	2019	Normal
March	34.5	39.5	2.48	1.14	0	0
April	52.1	50.1	0.53	2.15	371	329
May	55.7	60.0	5.60	3.09	733	868
June	70.0	70.6	4.71	3.25	1140	1158
<b>Total</b>			<b>13.32</b>	<b>9.63</b>	<b>2245</b>	<b>2355</b>

## Decatur County Dryland Field Pea Performance Test, 2019

		Grain Yield, bu/a					2019					
Company	Variety	2019	2018	2017	2yr	3yr	Yield % of	Moisture	Test Weight	Plant Height	Bloom Date	Seeds / lb
					Avg	Avg	Test Avg	%	lb / bu	inches	DOY	
CDC/Meridian_Seeds	CDC_Inca_(Y)	39.9	27.0	--	33.4	--	120	23.5	63.4	--	--	2470
Meridian_Seeds	Agassiz_(Y)	36.9	--	--	--	--	111	24.8	61.9	--	--	2535
Meridian_Seeds	CDC_Spectrum	36.6	--	--	--	--	110	23.5	61.9	--	--	2479
CDC/Meridian_Seeds	CDC_Saffron_(Y)	36.1	28.3	--	32.2	--	108	28.1	62.3	--	--	2197
USDA-ARS	PS08101022	35.6	--	--	--	--	107	23.4	62.6	--	--	2251
Meridian_Seeds	AAC_Carver_(Y)	35.0	29.4	--	32.2	--	105	22.2	63.3	--	--	2474
MonTech	4193_(Y)	35.0	30.0	--	32.5	--	105	24.8	61.9	--	--	2366
PulseUSA	Durwood_(Y)	34.8	26.5	--	30.6	--	104	24.5	62.4	--	--	2460
CDC/Meridian_Seeds	CDC_Amarillo_(Y)	34.1	26.0	--	30.0	--	102	20.7	62.7	--	--	2383
PulseUSA	LG_Sunrise_(Y)	33.9	27.4	--	30.6	--	102	24.0	62.7	--	--	2439
PulseUSA	DS_Admiral_(Y)	33.1	28.9	--	31.0	--	99	27.0	63.4	--	--	2682
PulseUSA	SW_Midas_(Y)	33.1	26.7	--	29.9	--	99	22.5	62.5	--	--	2809
PulseUSA	DL_Apollo	32.8	--	--	--	--	98	20.3	64.2	--	--	2767
USDA-ARS	PS07100925	31.9	--	--	--	--	96	25.2	62.4	--	--	2075
PulseUSA	Nette_2010_(Y)	30.2	27.5	--	28.9	--	91	26.8	63.3	--	--	2577
PulseUSA	LG_Amigo_(Y)	27.7	26.6	--	27.2	--	83	28.6	61.6	--	--	2560
Meridian_Seeds	Earlstar_(Y)	27.3	25.7	--	26.5	--	82	23.0	61.6	--	--	2704
	Average	33.3	27.6	--	30.4	--	100	24.5	62.6	--	--	2491
	LSD(0.05)	5.5	3.4	--	4.5	--		4.3	1.1	--	--	197

## Rawlins County Dryland Field Pea Performance Test, 2019

<b>County:</b>	Rawlins County Dryland		
<b>Location:</b>	4 mi. N of Atwood		
<b>Soil Type:</b>	Keith Silt Loam, 0-1% Slope		
<b>Seeding Rate:</b>	365,000 PLS seed/a	<b>Previous Crop:</b>	Corn
<b>Dates:</b>		<b>Pre-Emerge Herbicide:</b>	4.5oz Spartan 4F + 32 oz Glyphosate
Planting:	4/16/2019	<b>Post-Emerge Herbicide:</b>	None
Harvest:	7/26/2019		



Month	Avg Temp		Precipitation		Heat Units	
	2019	Normal	2019	Normal	2019	Normal
March	34.7	40.3	2.49	1.34	-	-
April	51.2	50.8	0.36	2.21	353	341
May	54.3	61.0	4.53	3.31	692	898
June	68.6	71.5	4.09	3.23	1098	1185
<b>Total</b>			<b>11.47</b>	<b>10.10</b>	<b>2142</b>	<b>2424</b>

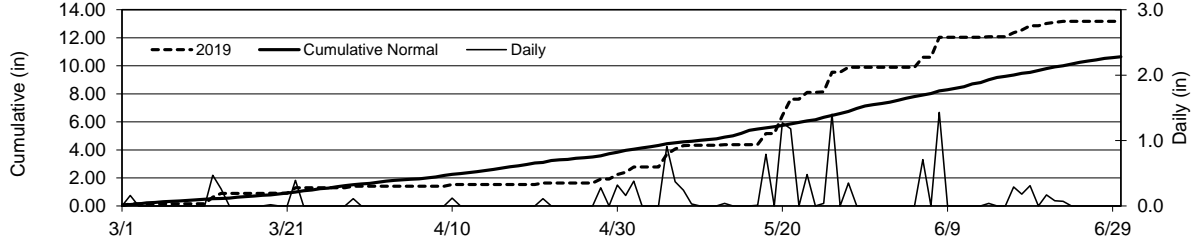
## Rawlins County Dryland Field Pea Performance Test, 2019

Company	Variety	Grain Yield, bu/a					2019					Stand <i>plants / acre</i>
		2019	2018	2017	2yr	3yr	Yield % of	Moistu re	Plant Height	Bloom Date	Seeds / lb	
					Avg	Avg	Test Avg	%	<i>inches</i>	DOY		
PulseUSA	DS_Admiral_(Y)	<b>23.0</b>	38.4	26.7	30.7	29.3	124	12.8	--	--	2046	--
USDA-ARS	PS08101022	<b>20.7</b>	--	--	--	--	112	13.9	--	--	2075	--
PulseUSA	Nette_2010_(Y)	<b>20.1</b>	35.4	30.3	27.8	28.6	109	13.4	--	--	2075	--
MonTech	4193_(Y)	<b>19.7</b>	41.3	--	30.5	--	106	13.0	--	--	2030	--
PulseUSA	LG_Sunrise_(Y)	<b>18.8</b>	38.3	--	28.6	--	102	14.2	--	--	2250	--
PulseUSA	DL_Apollo	16.0	--	--	--	--	87	12.9	--	--	2164	--
USDA-ARS	PS07100925	15.1	--	--	--	--	82	15.0	--	--	2104	--
PulseUSA	LG_Amigo_(Y)	11.5	33.5	--	22.5	--	62	12.5	--	--	2286	--
	Average	18.5	38.8	26.0	28.6	27.8	100	13.8	--	--	2137	--
	CV (%)	31	13	22	22	22		14	--	--	8	--
	LSD(0.05)	5.7	4.8	6.0	5.3	5.5		1.7	--	--	130	--

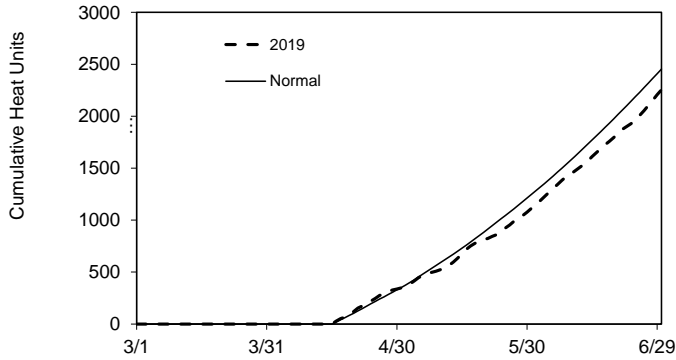
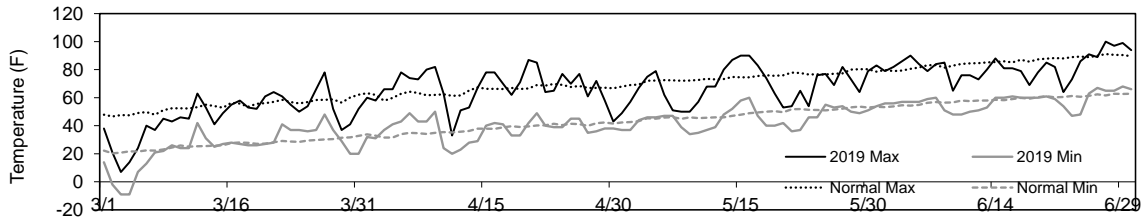
## Gove County Dryland Field Pea Performance Test, 2019

<b>County:</b>	Gove County Dryland	<b>Previous Crop:</b>	Grain Sorghum
<b>Location:</b>	1.5mi S, 2 mi. S of Park	<b>Pre-Emerge Herbicide:</b>	
<b>Soil Type:</b>	Kuma Silt Loam, 0-1% Slope	<b>Post-Emerge Herbicide:</b>	
<b>Seeding Rate:</b>	365,000 PLS seed/a		
<b>Dates:</b>			
Planting:	4/17/2019		
Harvest:	7/27/2019		

**Precipitation**



**Temperature**



Month	Avg Temp		Precipitation		Heat Units	
	2019	Normal	2019	Normal	2019	Normal
March	35.7	40.3	1.41	1.62	-	-
April	52.5	51.4	0.83	2.22	338	329
May	57.0	61.6	7.65	3.39	776	918
June	70.0	72.2	3.28	3.42	1141	1206
<b>Total</b>			<b>13.17</b>	<b>10.64</b>	<b>2254</b>	<b>2453</b>

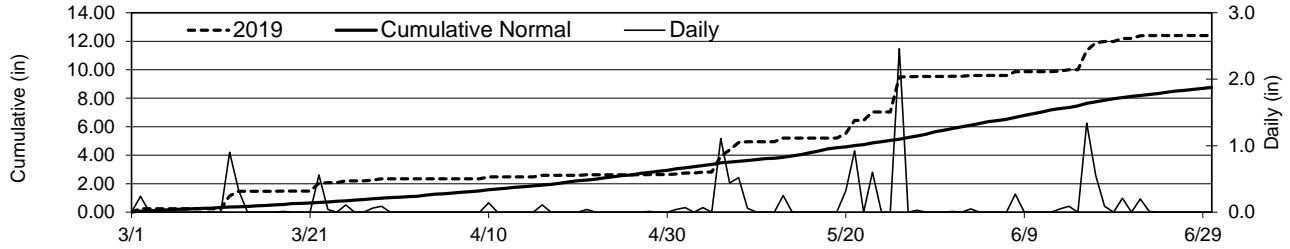
## Gove County Dryland Field Pea Performance Test, 2019

Company	Variety	Grain Yield, bu/a					2019			
		2019	2018	2017	2yr	3yr	Yield % of	Moisture	Test Weight	Seeds / lb
					Avg	Avg	Test Avg	%	lb / bu	
USDA-ARS	PS08101022	54.5	--	--	--	--	132	10.2	64.2	2439
USDA-ARS	PS07100925	51.0	--	--	--	--	123	10.4	63.2	2395
MonTech	4193_(Y)	47.9	20.5	--	34.2	--	116	10.2	63.1	2726
PulseUSA	LG_Sunrise_(Y)	47.0	21.7	--	34.4	--	114	10.2	63.7	2708
PulseUSA	LG_Amigo_(Y)	39.7	22.1	--	30.9	--	96	10.3	63.6	2874
PulseUSA	DS_Admiral_(Y)	35.4	24.3	20.4	29.8	26.7	86	10.2	63.9	2896
PulseUSA	Nette_2010_(Y)	33.7	20.6	20.0	27.1	24.7	81	10.3	64.1	2591
PulseUSA	Durwood_(Y)	32.7	19.9	23.1	26.3	25.2	79	10.2	63.3	2434
PulseUSA	DL_Apollo	29.5	--	--	--	--	71	10.0	62.8	3055
	Average	41.4	21.7	21.5	31.5	28.2	100	10.2	63.4	2674
	CV (%)	23	18	24	20	21		2	1	20
	LSD(0.05)	4.0	2.9	4.4	3.4	3.8		0.2	0.6	686

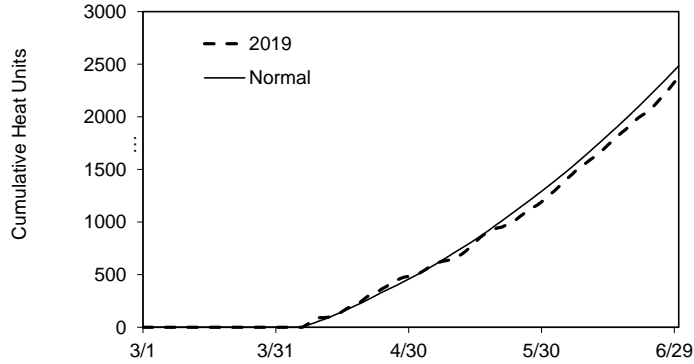
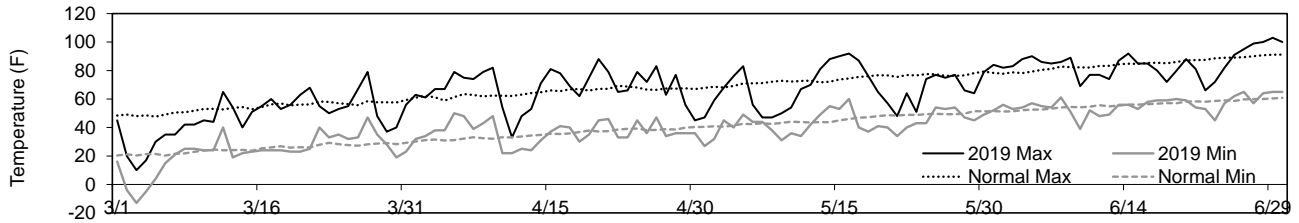
## Thomas County Dryland Field Pea Performance Test, 2019

<b>County:</b>	Thomas County Dryland	<b>Previous Crop:</b>	Corn
<b>Location:</b>	K-State NWREC, Colby	<b>Pre-Emerge Herbicide:</b>	5 oz Spartan Charge + 32 oz Glyphosate
<b>Soil Type:</b>	Keith Silt Loam, 0-1% Slope	<b>Post-Emerge Herbicide:</b>	None
<b>Seeding Rate:</b>	365,000 PLS seed/a		
<b>Dates:</b>			
Planting:	4/8/2019		
Harvest:	7/18/2019		

**Precipitation**



**Temperature**



Month	Avg Temp		Precipitation		Heat Units	
	2019	Normal	2019	Normal	2019	Normal
March	35.1	39.5	2.34	1.05	-	-
April	52.5	50.1	0.30	1.89	485	458
May	56.0	60.0	6.89	2.81	743	868
June	70.3	70.6	2.87	3.01	1150	1158
<b>Total</b>			<b>12.40</b>	<b>8.76</b>	<b>2378</b>	<b>2484</b>

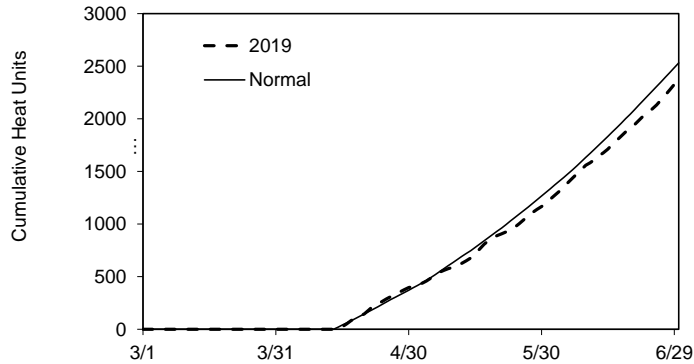
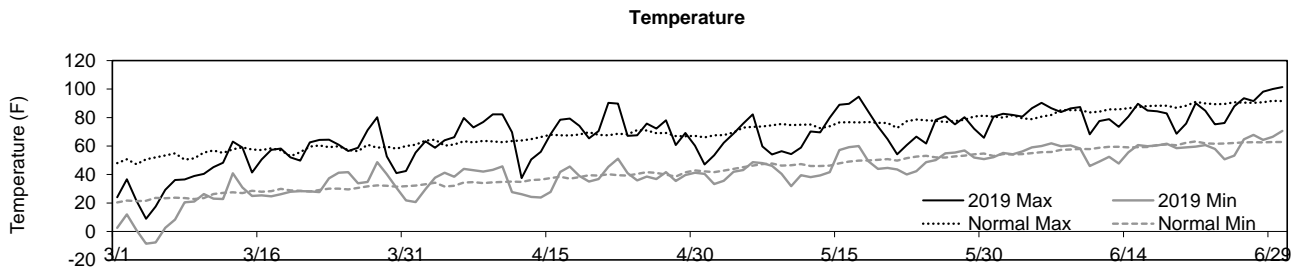
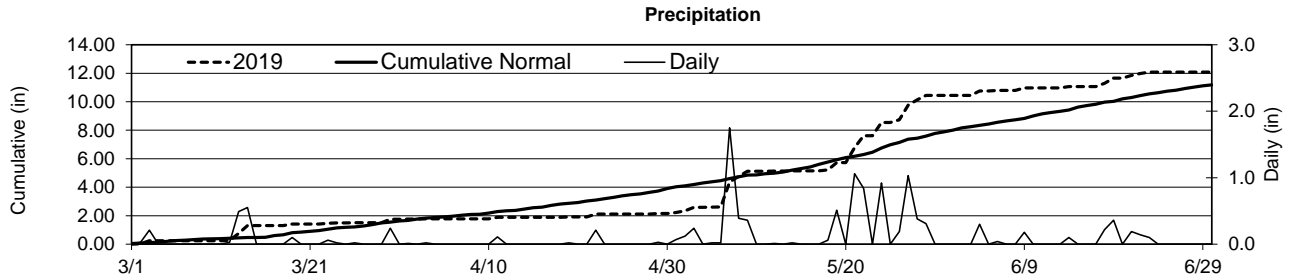
### Thomas County Dryland Field Pea Performance Test, 2019

Company	Variety	Grain Yield, bu/a					2019							
		2019	2018	2017	2yr	3yr	Yield % of	Moisture	Test Weight	Plant Height	Bloom Date	Seeds / lb	Grain Protein	Stand
					Avg	Avg	Test Avg	%	lb / bu	inches	DOY		%	plants / acre
Legume_Logic	AAC_Chrome_(Y)	60.4	--	--	--	--	161	11.2	62.6	21.2	--	3536	--	--
Legume_Logic	AAC_Asher_(Y)	46.2	28.8	--	37.5	--	123	11.2	63.9	19.8	--	2213	--	--
Meridian_Seeds	CDC_Spectrum	45.9	--	--	--	--	122	11.2	63.5	24.6	--	2750	--	--
CDC/Meridian_Seeds	CDC_Inca_(Y)	44.2	19.9	38.9	32.0	34.3	118	10.9	64.6	24.2	--	2727	--	--
Photosyntech	PSTSP32_(x)	43.4	--	--	--	--	115	11.1	64.2	26.2	--	2375	--	--
Meridian_Seeds	AAC_Carver_(Y)	42.6	23.3	35.3	33.0	33.8	113	10.9	64.8	24.4	--	2684	--	--
USDA-ARS	PS07100925	42.6	27.8	--	35.2	--	113	11.2	61.7	19.4	--	2862	--	--
USDA-ARS	PS08101022	42.1	22.1	--	32.1	--	112	11.6	64.3	19.0	--	2460	--	--
Meridian_Seeds	Agassiz_(Y)	40.2	--	--	--	--	107	10.2	63.4	21.6	--	2680	--	--
PulseUSA	Durwood_(Y)	40.0	18.5	34.8	29.3	31.1	106	10.7	63.7	24.4	--	2653	--	--
AAC/Valesco_Genetics	AAC_Profit_(Y)	39.4	25.0	42.1	32.2	35.5	105	11.1	62.7	24.0	--	2620	--	--
Valesco_Genetics	Spider_(Y)	39.0	25.6	39.0	32.3	34.5	104	10.7	64.4	25.2	--	2840	--	--
Valesco_Genetics	Salamanca_(Y)	39.0	24.6	37.5	31.8	33.7	104	11.3	63.9	20.4	--	2576	--	--
Photosyntech	PSTSP31_(G)	38.5	25.0	--	31.7	--	103	10.8	63.8	23.2	--	2578	--	--
PulseUSA	DS_Admiral_(Y)	37.9	23.4	35.4	30.7	32.3	101	11.0	63.8	21.4	--	2666	--	--
Photosyntech	PSTSP38_(x)	37.8	--	--	--	--	101	10.6	64.3	23.2	--	2424	--	--
Photosyntech	PSTSP35_(Y)	37.5	21.6	--	29.6	--	100	11.1	64.1	26.2	--	2658	--	--
MonTech	4193_(Y)	37.2	24.6	--	30.9	--	99	11.0	63.6	20.8	--	2822	--	--
Photosyntech	PSTSP27_(Y)	36.7	23	30	30	30	98	11.1	63.2	20.2	--	2438	--	--
PulseUSA	DL_Apollo	35.9	--	--	--	--	96	11.4	64.6	23.4	--	2888	--	--
Meridian_Seeds	Earlystar_(Y)	34.8	17	35	26	29	93	11.1	63.9	23.6	--	3081	--	--
Photosyntech	PSTSP37_(x)	34.3	--	--	--	--	91	10.9	63.6	23.2	--	2509	--	--
PulseUSA	Nette_2010_(Y)	34.1	24	34	29	31	91	11.3	64.1	20.0	--	2671	--	--
PulseUSA	LG_Sunrise_(Y)	33.4	22	--	28	--	89	10.5	64.2	23.2	--	2710	--	--
Photosyntech	PSTSP28_(G)	33.3	26	35	29	31	89	10.3	63.8	22.0	--	3049	--	--
CDC/Meridian_Seeds	CDC_Saffron_(Y)	33.2	25	22	29	27	88	11.2	63.6	20.4	--	2599	--	--
Photosyntech	PSTSP34_(Y)	33.1	24	--	29	--	88	10.6	63.5	22.8	--	3157	--	--
PulseUSA	SW_Midas_(Y)	30.9	24	28	27	27	82	11.0	64.2	19.4	--	3152	--	--
CDC/Meridian_Seeds	CDC_Amarillo_(Y)	30.5	23	32	27	29	81	11.2	62.7	23.8	--	2841	--	--
PulseUSA	LG_Amigo_(Y)	28.1	23	--	25	--	75	11.4	60.5	20.2	--	2825	--	--
	Average	37.6	23.3	31.5	30.4	30.8	100	11.0	63.6	22.2	--	2711	--	--
	CV (%)	21	16	19	19	19		6	3	14	--	13	--	--
	LSD(0.05)	8.2	3.7	5.1	6.0	5.7		0.9	2.1	3.3	--	482	--	--



## Rooks County Dryland Field Pea Performance Test, 2019

<b>County:</b>	Rooks County Dryland	<b>Previous Crop:</b>	Forage Sorghum
<b>Location:</b>	5 mi. N, 3.5 mi. E of Stockton	<b>Pre-Emerge Herbicide:</b>	5 oz Spartan + 24 oz of 6 lb AI Glyphosate
<b>Soil Type:</b>	Uly silt loam, 3-6% slope	<b>Post-Emerge Herbicide:</b>	None
<b>Seeding Rate:</b>	365,000 PLS seed/a		
<b>Dates:</b>			
Planting:	4/15/2019		
Harvest:	7/28/2019		



Month	Avg Temp		Precipitation		Heat Units	
	2019	Normal	2019	Normal	2019	Normal
March	35.6	41.5	1.75	1.63	-	-
April	53.4	51.5	0.40	2.28	396	372
May	58.0	62.0	8.30	3.98	805	929
June	71.4	73.0	1.63	3.30	1181	1230
<b>Total</b>			<b>12.08</b>	<b>11.18</b>	<b>2381</b>	<b>2531</b>

## Rooks County Dryland Field Pea Performance Test, 2019

Company	Variety	Grain Yield, bu/a					2019							
		2019	2018	2017	2yr	3yr	Yield % of	Moisture	Test Weight	Plant Height	Bloom Date	Seeds / lb	Grain Protein	Stand
					Avg	Avg	Test Avg	%	lb / bu	inches	DOY		%	plants / acre
USDA-ARS	PS08101022	32.2	--	--	--	--	130	13.5	63.8	--	--	1966	--	--
Legume_Logic	AAC_Chrome_(Y)	32.0	--	--	--	--	129	14.0	62.8	--	--	2034	--	--
AAC/Valesco_Genetics	AAC_Profit_(Y)	30.2	--	--	--	--	122	15.8	63.3	--	--	2106	--	--
USDA-ARS	PS07100925	25.9	--	--	--	--	105	14.0	61.5	--	--	1982	--	--
Valesco_Genetics	Spider_(Y)	24.9	--	--	--	--	100	19.2	63.2	--	--	2054	--	--
MonTech	4193_(Y)	23.7	--	--	--	--	96	15.7	60.5	--	--	2007	--	--
PulseUSA	DL_Apollo	18.6	--	--	--	--	75	14.1	63.6	--	--	2771	--	--
Valesco_Genetics	Salamanca_(Y)	18.5	--	--	--	--	75	12.9	61.3	--	--	2412	--	--
	Average	24.8	--	--	--	--	100	14.9	62.6	--	--	2230	--	--
	CV (%)	29	--	--	--	--		30	3	--	--	14	--	--
	LSD(0.05)	5.4	--	--	--	--		5.5	3.0	--	--	130	--	--