2019 Collaborative On-Farm Test (COFT) Variety Performance Results

2019 Varieties (ranked left to right by highest yield)

	Langin			Avery			Byrd			Breck			Long Branch			COFT Average		
County/Nearest Town	Yield[a]	Test Weight	Protein	Yield[a]	Test Weight	Protein	Yield[a]	Test Weight	Protein	Yield[a]	Test Weight	Protein	Yield[a]	Test Weight	Protein	Yield[a]	Test Weight	Protein
	bu/ac	lb/bu	percent	bu/ac	lb/bu	percent	bu/ac	lb/bu	percent	bu/ac	lb/bu	percent	bu/ac	lb/bu	percent	bu/ac	lb/bu	percent
Adams/Bennett N	44.1	61.2	10.7	60.3	62.6	9.3	56.3	62	8.7	57.5	63.5	9.3	-	-	-	*54.5*	*62.3*	*9.5*
Adams/Prospect Valley	36.2	60.1	7.7	36.9	60.0	7.8	33.0	60.0	7.5	33.2	63.7	8.0	37.7	61.1	8.1	*35.4*	*61.0*	*7.8*
Baca/Pritchett	49.9	57.0	6.6	44.7	58.9	6.8	43.6	58.4	6.6	44.2	61.3	6.9	44.2	59.2	6.8	*45.3*	*59.0*	*6.7*
Baca/Vilas	80.8	58.1	9.0	80.1	58.1	9.2	80.5	58.8	9.0	77.1	60.0	10.0	71.1	58.0	9.7	*77.9*	*58.6*	*9.4*
Baca/Walsh	87.6	58.9	-	84.5	59.2	-	83.3	58.9	-	79.7	61.9	-	75.2	58.5	-	*82.1*	*59.5*	-
Bent/Lamar	59.0	59.3	11.3	54.6	59.6	11.3	60.3	59.5	11.3	56.5	61.6	11.2	54.6	58.4	12.3	*57.0*	*59.7*	*11.5*
Kiowa/Eads	46.6	58.7	9.6	47.8	59.6	9.7	45.7	58.9	10.9	40.8	62.3	11.8	38.3	59.7	10.5	*43.8*	*59.8*	*10.5*
Kiowa/Haswell	62.0	62.4	8.2	65.0	61.8	8.4	57.4	61.2	8.4	65.9	65.0	8.9	60.0	62.4	8.6	*62.1*	*62.6*	*8.5*
Kit Carson/Bethune	51.4	59.1	10.6	57.9	59.4	10.9	49.8	62.6	12.2	46.9	60.3	11.0	37.7	59.7	12.8	*48.8*	*60.2*	*11.5*
Kit Carson/Burlington N	90.2	64.3	11.4	79.3	66.2	11.0	79.1	66.3	12.0	87.0	64.6	10.9	80.0	62.7	11.6	*83.1*	*64.8*	*11.4*
Kit Carson/Stratton	85.5	61.7	9.6	81.4	59.8	9.7	82.4	60.2	9.5	77.4	63.7	10.2	70.6	60.0	10.2	*79.5*	*61.1*	*9.8*
Logan/Leroy	72.8	59.2	10.9	73.4	58.2	10.9	70.1	59.3	11.2	68.7	59.4	11.9	71.6	57.9	11.3	*71.3*	*58.8*	*11.2*
Morgan/Orchard	53.6	58.6	13.0	51.7	56.9	12.5	52.8	59.3	11.7	54.0	58.3	12.8	49.3	56.7	11.4	*52.3*	*58.0*	*12.3*
Phillips/Haxtun	94.7	57.2	12.9	84.1	57.7	12.7	89.3	59.9	13.0	89.1	57.5	13.1	88.3	57.7	12.8	*89.1*	*58.0*	*12.9*
Phillips/Holyoke	93.6	62.4	9.0	90.9	63.5	8.7	87.9	62.7	8.7	84.3	64.9	9.3	86.8	63.4	8.9	*88.7*	*63.4*	*8.9*
Prowers/Holly	93.2	60.5	9.9	77.7	60.1	8.5	75.5	60.5	9.1	75.5	62.3	9.9	71.4	59.5	8.9	*78.7*	*60.6*	*9.3*
Prowers/Lamar	21.9	57.6	14.6	35.7	59.9	12.9	30.9	59.8	13.8	37.5	62.1	13.4	30.5	59.9	12.9	*31.3*	*59.9*	*13.5*
Sedgwick/Julesburg	77.1	61.0	9.2	83.6	62.4	8.5	81.1	62.0	8.9	80.8	65.5	9.2	73.7	63.0	9.2	*79.2*	*62.8*	*9.0*
Sedgwick/Julesburg S	60.8	60.8	8.1	60.7	61.7	8.1	57.8	61.8	8.5	54.0	64.7	8.2	56.9	62.3	8.1	*58.0*	*62.3*	*8.2*
Washington/Akron	66.2	56.8	10.6	61.2	55.8	10.9	61.4	57.2	10.4	62.2	59.2	10.8	60.7	57.3	10.9	*62.4*	*57.3*	*10.7*
Washington/Akron S	58.9	58.6	11.1	55.1	57.4	10.6	54.4	60.4	10.6	48.5	62.2	12.0	55.5	60.0	10.7	*54.5*	*59.7*	*11.0*
Weld/New Raymer SE	57.0	62.5	11.0	51.9	63.3	10.5	51.2	62.1	10.4	50.8	64.8	11.2	50.6	62.4	10.0	*52.3*	*63.0*	*10.6*
Weld/Roggen	71.3	59.3	10.2	68.8	57.1	10.6	67.8	56.3	11.5	70.6	61.2	11.6	69.2	57.7	11.6	*69.5*	*58.3*	*11.1*
Yuma/Yuma	64.9	58.8	8.7	60.4	60.2	8.3	61.4	59.4	8.6	52.7	62.3	9.0	53.8	60.7	8.9	*58.6*	*60.3*	*8.7*
Average	**65.8**	**59.8**	**10.2**	**64.5**	**60.0**	**9.9**	**63.1**	**60.3**	**10.1**	**62.3**	**62.2**	**10.5**	**60.3**	**59.9**	**10.3**	***63.1***	***60.4***	***10.2***
Yield Significance[b]	A			B			C			C			D					

LSD $_{(P<0.30)}$ for yield = 1.2 bu/ac

LSD $_{(P<0.30)}$ for test weight = 0.3 lb/bu

LSD $_{(P<0.30)}$ for protein = 0.1 percent

[a]All yield and protein data are corrected to 12% moisture.

[b]Yield significance: varieties with different letters have yields that are significantly different from one another.