

2017 Collaborative On-Farm Test (COFT) Variety Performance Results

2017 Varieties (ranked left to right by highest yield)

County/Nearest Town	<u>Langin</u>			<u>Avery</u>			<u>Sunshine</u>			<u>Denali</u>			<u>COFT Average</u>		
	Yield ^a	Weight	Protein	Yield ^a	Weight	Protein	Yield ^a	Weight	Protein	Yield ^a	Weight	Protein	Yield ^a	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
Adams/Bennett N	62.2	60.6	9.2	56.0	59.8	8.9	51.5	58.2	10.0	51.2	59.9	9.7	55.2	59.6	9.5
Arapahoe/Deer Trail	17.0	59.9	10.6	14.6	55.8	10.9	17.7	57.8	10.7	17.2	57.6	10.9	16.6	57.8	10.8
Bent/Lamar	29.6	54.4	13.9	35.7	55.5	12.9	30.5	55.7	13.5	38.2	55.7	12.4	33.5	55.3	13.2
Cheyenne/Cheyenne Wells	89.9	60.8	10.2	86.4	61.7	9.5	74.0	61.0	12.2	78.6	60.1	10.8	82.3	60.9	10.7
Kiowa/Haswell	32.1	52.8	12.3	28.5	54.7	12.9	29.2	55.5	13.7	22.7	50.0	12.9	28.1	53.3	13.0
Kiowa/Towner	12.7	60.3	10.2	12.0	59.8	10.8	8.9	59.6	11.2	11.1	59.9	10.3	11.2	59.9	10.6
Kit Carson/Bethune	88.4	58.4	10.3	81.5	58.4	10.5	65.1	58.1	11.4	81.0	55.1	10.3	79.0	57.5	10.6
Kit Carson/Burlington N	92.7	57.7	12.5	87.7	55.4	10.8	65.0	52.9	15.8	43.3	50.6	15.0	72.2	54.2	13.5
Kit Carson/Stratton	102.1	55.8	10.8	88.2	54.5	10.8	89.5	55.9	10.3	90.5	54.5	11.0	92.6	55.2	10.7
Logan/Leroy	82.4	61.1	10.8	73.4	60.9	10.5	66.3	60.0	11.6	66.5	58.2	11.5	72.2	60.1	11.1
Morgan/Orchard	30.4	60.2	8.6	38.5	60.3	9.0	30.5	59.9	10.4	37.8	62.2	9.4	34.3	60.7	9.4
Phillips/Haxtun	84.4	57.6	9.4	82.4	57.5	9.8	82.1	58.2	9.9	78.9	58.9	10.5	82.0	58.1	9.9
Prowers/Granada	47.4	60.6	10.7	45.9	61.7	9.6	42.7	62.2	10.9	41.0	61.3	9.7	44.3	61.5	10.2
Prowers/Holly	44.4	58.9	12.2	37.8	55.9	12.0	40.9	59.6	12.7	34.1	56.6	12.5	39.3	57.8	12.3
Prowers/Lamar	67.4	62.0	10.6	61.5	62.3	10.4	57.6	61.1	11.8	60.5	60.9	11.0	61.8	61.6	10.9
Washington/Akron	81.2	60.7	9.9	70.3	60.9	10.9	80.2	61.2	11.0	69.6	60.1	9.8	75.3	60.7	10.4
Washington/Akron S	16.7	56.7	10.5	15.9	54.7	11.3	18.3	53.7	12.2	16.7	52.7	12.3	16.9	54.5	11.6
Washington/Anton	44.6	57.0	10.7	30.3	56.4	10.8	39.6	59.1	10.9	27.7	55.5	11.4	35.6	57.0	11.0
Washington/Central	60.0	60.0	10.7	54.3	58.8	10.2	56.2	57.6	10.3	48.5	57.2	11.5	54.8	58.4	10.7
Weld/Keenesburg	42.9	60.0	12.5	35.1	55.0	12.3	38.5	58.7	12.7	28.3	54.7	12.7	36.2	57.1	12.6
Weld/New Raymer	39.8	59.8	11.7	32.2	59.3	12.6	35.6	61.0	13.1	33.6	58.1	12.1	35.3	59.6	12.4
Weld/New Raymer SW	52.7	61.3	10.3	53.6	62.0	9.3	49.9	60.5	9.8	50.4	62.0	9.8	51.7	61.5	9.8
Weld/Roggen	68.7	64.2	8.7	77.9	62.9	8.6	69.5	64.9	9.4	68.1	63.5	9.4	71.1	63.9	9.0
Yuma/Yuma	75.8	60.3	8.2	58.4	61.3	8.1	58.5	62.1	8.8	61.3	62.1	8.2	63.5	61.5	8.3
Average	56.9	59.2	10.6	52.4	58.6	10.6	49.9	58.9	11.4	48.2	57.8	11.0	51.9	58.6	10.9

Yield Significance^b

A

B

C

C

LSD ($P < 0.30$) for yield = 1.8 bu/ac

LSD ($P < 0.30$) for test weight = 0.4 lb/bu

^aAll yield and protein data are corrected to 12% moisture.

^bYield significance: varieties with different letters have yields that are significantly different from one another.

Summary of 2017 COFT Variety Results (24 tests included)

Variety	Yield ^a	Test Weight	Protein
	bu/ac	lb/bu	percent
Langin	56.9	59.2	10.6
Avery	52.4	58.6	10.6
Sunshine	49.9	58.9	11.4
Denali	48.2	57.8	11.0
Average	65.8	58.6	10.9
LSD _(0.30)	1.8	0.4	

^aYield corrected to 12% moisture.