

2018 Collaborative On-Farm Test (COFT) Variety Performance Results

2018 Varieties (ranked left to right by highest yield)

County/Nearest Town	Breck Test			Langin Test			Byrd Test			Avery Test			Snowmass Test			COFT Average Test		
	Yield ^a bu/ac	Weight lb/bu	Protein percent	Yield ^a bu/ac	Weight lb/bu	Protein percent	Yield ^a bu/ac	Weight lb/bu	Protein percent	Yield ^a bu/ac	Weight lb/bu	Protein percent	Yield ^a bu/ac	Weight lb/bu	Protein percent	Yield ^a bu/ac	Weight lb/bu	Protein percent
Adams/Bennett N	35.4	63	9.6	29.0	60.9	9.4	29.9	60.9	9.8	32.7	60.8	9.8	20.4	61	10.7	29.5	61.3	9.9
Adams/Prospect Valley	20.6	63.6	10.5	24.0	62.0	9.6	25.6	61.7	10.4	21.1	60.9	10.6	23.8	61.8	9.9	23.0	62.0	10.2
Baca/Pritchett	23.8	60.5	12.5	25.6	59.1	11.6	27.1	59.8	11.4	25.7	59.6	11.2	27.2	58.8	12.0	25.9	59.6	11.8
Bent/Lamar	33.1	60.2	9.1	32.4	57.2	8.6	32.0	58.0	8.7	35.1	58.4	9.1	31.4	58.2	8.7	32.8	58.4	8.8
Kiowa/Haswell	43.5	62.3	8.0	44.3	58.3	7.4	47.4	59.3	7.7	39.2	60.2	8.9	42.1	60.7	8.3	43.3	60.2	8.1
Kit Carson/Bethune	38.8	62.5	15.9	32.3	61.2	14.3	39.5	61.3	15.0	36.6	63.2	15.8	28.1	61.4	14.0	35.1	61.9	15.0
Kit Carson/Burlington N	84.3	61.8	12.7	83.6	60.4	11.8	82.8	61.7	11.8	81.9	61.3	11.7	69.8	61.7	12.0	80.5	61.4	12.0
Kit Carson/Stratton	64.6	62.8	9.0	72.1	61.4	8.4	67.1	60.4	8.7	66.6	62.5	8.5	61.9	62.2	9.0	66.4	61.9	8.7
Prowers/Holly	47.3	60.6	11.8	59.7	58.3	11.9	42.4	59.3	11.9	44.4	59.1	12.5	57.4	57.9	11.7	50.3	59.0	12.0
Prowers/Lamar	46.7	60.3	13.2	34.1	57.8	12.6	36.2	57.6	13.1	41.1	58.8	12.7	31.2	58.3	13.8	37.9	58.6	13.1
Prowers/Wiley	28.2	58.6	9.6	25.8	56.8	8.6	23.3	57.4	9.3	27.7	57.7	9.4	17.6	58.0	9.6	24.5	57.7	9.3
Sedgwick/Julesburg	66.4	62.4	10.4	63.0	59.4	10.3	65.3	60.6	10.2	64.9	59.7	10.4	56.4	59.8	10.2	63.2	60.4	10.3
Sedgwick/Julesburg S	44.3	64.6	8.6	45.6	60.7	8.6	42.7	60.9	8.8	43.7	61.2	8.3	40.6	61.8	8.7	43.4	61.8	8.6
Washington/Akron N	71.6	63.3	10.2	75.6	60.7	9.5	71.5	61.6	10.2	69.2	61.5	9.7	67.8	61.2	9.9	71.2	61.7	9.9
Washington/Anton	18.4	57.8	15.3	16.2	54.4	14.3	13.5	54.9	14.6	14.4	54.6	14.5	12.5	55.3	15.0	15.0	55.4	14.7
Washington/Central	34.0	63.1	10.0	26.1	60.2	9.8	28.2	60.4	9.0	29.7	61.5	9.8	25.0	60.6	10.2	28.6	61.2	9.8
Weld/Keenesburg	36.8	56.8	17.9	35.9	57.9	17.7	37.1	55.7	16.6	34.8	54.3	16.8	34.2	59.3	15.3	35.7	56.8	16.9
Weld/New Raymer SE	61.8	62.0	10.7	65.9	60.5	10.3	66.7	60.0	10.3	63.7	61.5	10.1	58.8	61.0	10.9	63.4	61.0	10.5
Weld/Roggen	25.4	57.6	15.9	26.7	56.9	14.1	21.4	55.3	15.0	20.3	56.6	14.6	20.1	55.4	14.4	22.8	56.4	14.8
Yuma/Yuma	52.0	62.6	9.3	54.2	58.6	9.2	52.6	60.0	9.2	51.9	60.0	9.2	51.4	60.0	9.1	52.4	60.2	9.2
Average	43.8	61.3	11.5	43.6	59.1	10.9	42.6	59.3	11.1	42.2	59.7	11.2	38.9	59.7	11.2	42.2	59.8	11.2

Yield Significance^b

A

A, B

B,C

C

D

LSD_(P<0.30) for yield = 1.1 bu/ac

LSD_(P<0.30) for test weight = 0.3 lb/bu

LSD_(P<0.30) for protein = 0.1 percent

^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.