**2019 Growing Season Report**

**NDSU Extension Service Main Station**

**Corn Hybrid Testing Program**

**Zone 1, Northern Counties**

**Grand Forks County:**

**Planting Date**: May 16

**Harvest Date:** November 11

**Soil Temp @ planting**: 54o

**Seeding Rate (final stand count)**: 34,000 ()

**Prior crop**: Dry beans

**Herbicide treatments**: Resicore @ 2.75 q/15 gal/ac

**Soil units**: Bearden silty clay loam

**Location**: 47°47'15.62"N, 97° 4'6.15"W

**Cooperator**: Chuck Nelson Farms

**# of Entries:** 45RR hybrids, 3 conventional hybrids + 4 check hybrids

**Trial average yield:** 235bu @ ~22.5% moisture

**Notes:**

**Nelson County:**

**Planting Date**: May 16

**Harvest Date:** November 30

**Soil Temp @ planting**: 52o

**Seeding Rate (final stand count)**: 34,000 (31,500)

**Prior crop**: soybeans

**Soil units**: Barnes-Buse-Cresbard loams

**Location**: 47°43'50.80"N, 97°54'20.33"W

**Cooperator**: Matt Hillesland

**# of Entries:**  45 hybirds + 5 check hybirds

**Trial average yield:** 163.8bu/ac @ ~29.5% moisture

**Notes:** Only 3 reps were analyzed at this trial. Appeared to be some issues with fertilizer spreader that caused stunted growth in strips throughout the trial and whole field. Problems with combine resulted in harvest over several day’s and in cold weather

**Ramsey County:**

**Planting Date**: May 17

**Harvest Date:** not harvested

**Soil Temp @ planting**: 50o

**Seeding Rate (final stand count)**: 34,000 ()

**Prior crop**: soybeans

**Soil units**: Hamerley-cresbard loams

**Location**: 48°15'22.51"N, 98°39'32.75"W

**Cooperator**: Paul Becker

**# of Entries:** 45 hybirds + 5 check varieties

**Trial average yield: 0** bu/ac

**Notes:** Not harvested due to drought conditions mid-summer resulting in poor pollination in large areas of the trial

**Marshall County, MN**

**Planting Date**: May 17

**Harvest Date:** November 11

**Soil Temp @ planting**: 51o

**Seeding Rate (final stand count)**: 34,000 (32,600)

**Prior crop**: soybeans

**Herbicide treatments**: Roundup 32 fl oz

**Soil units**: Bearden-Colvin silty loams

**Location**: 48°10'51.01"N, 97° 3'40.01"W

**Cooperator**: Chad Anvinson

**# of Entries:**  45 hybirds + 5 check varieties

**Trial average yield:** 211.8bu/ac @ 25.7% moisture

**Notes:**

**Zone 2, Central Counties**

**Cass County:**

**Planting Date**: May 16th

**Harvest Date:** October th

**Soil Temp @ planting**: 54o

**Seeding Rate:** 34,000

**Prior crop**: Spring wheat

**Herbicide treatments**: Resicore @ 2.75 q/15 gal/ac

**Fertilizer applications**:

**Soil units**: Bearden-Kindred silty clay loam

**Location**: 47° 0'21.25"N, 97° 7'14.53"W

**Cooperator**: NDSU Prosper Research Station

**# of Entries:**  54 RR hybrids, 5 conventional hybrids, 5 check hybrids

**Trial average yield:** 209bu/ac

**Notes**:

**Traill County:**

**Planting Date**: May 15th

**Harvest Date:** November 7th

**Soil Temp @ planting**: 50o

**Seeding Rate (final stand count)**: 34,000 ()

**Prior crop**: soybeans

**Herbicide treatments**: RoundUp

**Soil units**: Hecla-Gargord fine sandy loam

**Location**: 47°22'53.81"N, 97°25'4.48"W

**Cooperator**: Kevin Elliott

**# of Entries:**  54 RR hybrids, 3 check hybrids

**Trial average yield:** 173.4bu/ac

**Notes:** Late herbicide application may have resulted in some yield hit. Cold weather at harvest resulted in inaccurate moisture readings. Yield was calculated using Steele County moisture values.

**Steele County:**

**Planting Date**: May 15
**Harvest Date:** November 8

**Soil Temp @ planting**: 51o

**Seeding Rate (final stand count)**: 34,000 ()

**Prior crop**: soybeans

**Soil units**: Overly silty clay loam

**Location**: 47°31'36.06"N, 97°32'48.37"W

**Cooperator**: Lance Fulgelberg

**# of Entries:**  54 RR hybrids, 3 check hybrids

**Trial average yield:**  213.7 bu/ac @ 27.8% moisture

**Notes:** Only 3 reps harvested due to planting errors in one rep.

**Zone 3, Southern Counties:**

**Ransom County:**

**Planting Date**: May 10

**Harvest Date**: October 31

**Soil Temp @ planting**: 50

**Seeding Rate (final stand count)**: 34,000 (29,100)

**Prior crop**: soybeans

**Herbicide treatments**:

**Soil units**: Barnes-Svea loams

**Location**: 46°26'27.58"N, 97°47'8.13"W

**Cooperator**: Kyle Heuther

**# of Entries:**  54 RR hybrids, 6 conventional hybrids & 5 check hybrids

**Trial average yield:**  217.4 bu/ac @ 30.7% moisture

**Notes:**

**Richland County:**

**Planting Date**: May 13th

**Harvest Date:** November 4th

**Soil Temp @ planting**: 56o

**Seeding Rate (final stand count)**: 34,000 ()

**Prior crop**: soybeans

**Soil units**: Gardena silt loam

**Location**: 46°13'31.42"N, 97°14'8.95"W

**Cooperator**: Dan & Matt Thompson

**# of Entries:**  54 RR hybrids, 3 check hybrids

**Trial average yield:** 213bu/ac

**Notes:**

**Sargent County:**

**Planting Date**: May 14th

**Harvest Date:** November 12

**Soil Temp @ planting**: 61o

**Seeding Rate (final stand count)**: 34,000 (29,700)

**Prior crop**: soybeans

**Herbicide treatments**:

**Soil units**: Forman-Aastad loams

**Location**: 46°13'29.97"N, 97°42'17.29"W

**Cooperator**: Casey Decker

**# of Entries:**  54 RR hybrids, 3 check hybrids

**Trial average yield:**  199 bu/ac @ 27.5% moisture

**Notes:**