

Variety Trial Results - IHARF 2016 - Indian Head, SK

Fertility across all treatments: 140-38-19-19

Seeding rate: 35 seeds/ft²

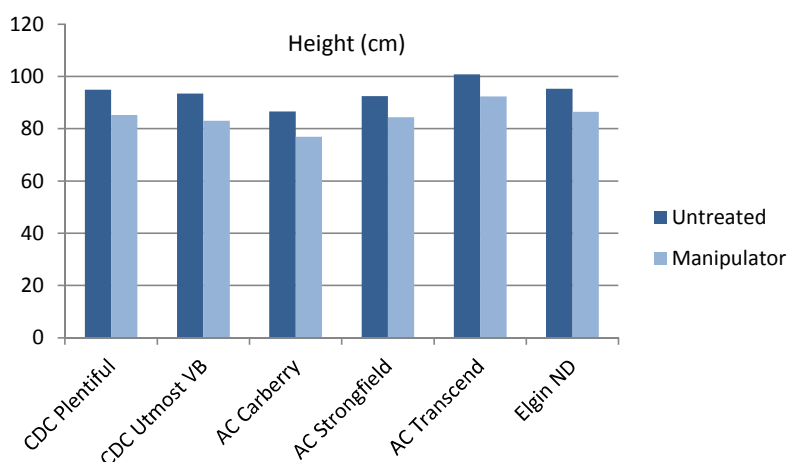
Site was hit with hail mid-July resulting in estimated yield losses of 10%

Height (cm)

	Untreated	Manipulator	Difference (cm)	% difference
CDC Plentyful	94.9 bc	85.3 ef	9.6	10.6
CDC Utmost VB	93.5 bcd	83 f	10.5	11.9
AC Carberry	86.6 e	76.9 g	9.7	11.9
AC Strongfield	92.5 cd	84.4 ef	8.1	9.2
AC Transcend	100.8 a	92.4 d	8.4	8.7
Elgin ND	95.3 b	86.5 e	8.8	9.7

Lodging (1-10)

	Untreated	Manipulator
CDC Plentyful	5.18 b	1.1 d
CDC Utmost VB	6.93 a	2.88 c
AC Carberry	0.58 de	0.15 e
AC Strongfield	5.93 b	3.48 c
AC Transcend	5.73 b	3.33 c
Elgin ND	2.93 c	0.55 de

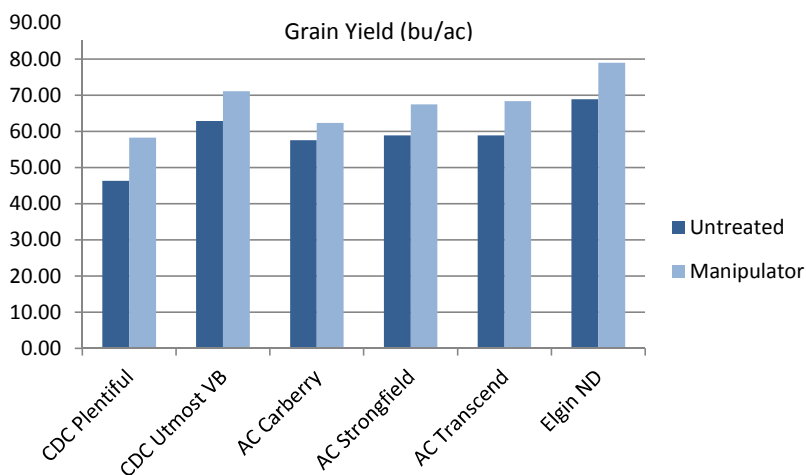


Grain yield (bu/ac)

	Untreated	Manipulator	Difference (bu/ac)	% difference
CDC Plentyful	46.36 f	58.23 e	11.87	22.7
CDC Utmost VB	62.9 c	71.05 b	8.15	12.2
AC Carberry	57.53 e	62.34 cd	4.81	8.0
AC Strongfield	58.92 de	67.5 b	8.58	13.6
AC Transcend	58.87 de	68.36 b	9.50	14.9
Elgin ND	68.84 b	78.96 a	10.12	13.7

Protein (%)

	Untreated	Manipulator
CDC Plentyful	15.9 a	15.2 bc
CDC Utmost VB	14.9 cd	14.5 ef
AC Carberry	15.3 b	14.9 cd
AC Strongfield	14.9 cd	14.4 f
AC Transcend	14.7 de	13.9 g
Elgin ND	14.5 ef	14.0 g



Fus damaged kernels (%)

	Untreated	Manipulator
CDC Plentyful	0.25 c	0.70 c
CDC Utmost VB	0.40 c	0.70 c
AC Carberry	0.45 c	0.58 c
AC Strongfield	5.10 a	5.75 a
AC Transcend	3.28 b	3.20 b
Elgin ND	0.90 c	0.65 c

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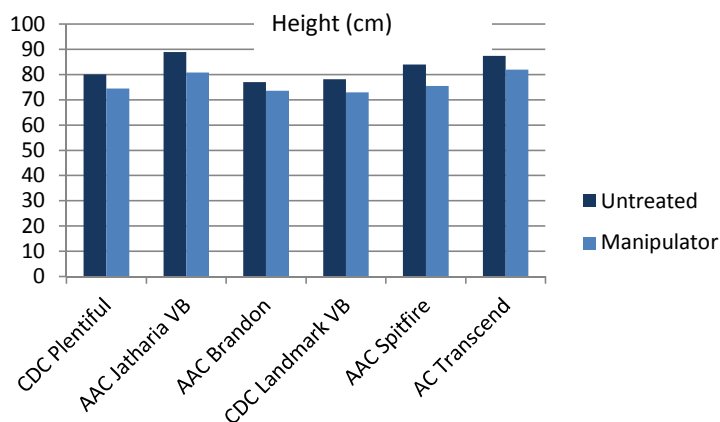
Site received 5.78 inches of rain throughout the growing season.

Height (cm)

	Untreated	Manipulator	Difference	% difference
CDC Plenitful	80.1 cde	74.5 gh	5.6	7.0%
AAC Jatharia VB	88.9 a	80.8 cd	8.1	9.1%
AAC Brandon	77.0 efg	73.6 h	3.4	4.4%
CDC Landmark VB	78.2 def	73.0 h	5.2	6.6%
AAC Spitfire	84.0 b	75.5 fgh	8.5	10.1%
AC Transcend	87.4 a	81.9 bc	5.5	6.3%

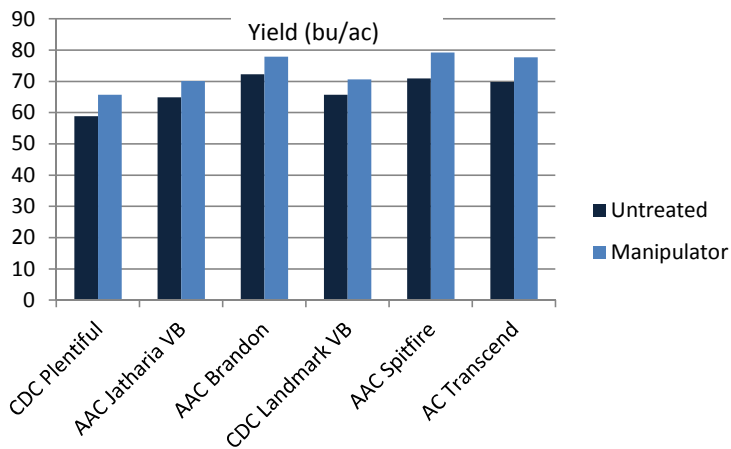
Lodging (1-10)

	Untreated	Manipulator
CDC Plenitful	0.30 a	0.20 a
AAC Jatharia VB	0.20 a	0.20 a
AAC Brandon	0.20 a	0.20 a
CDC Landmark VB	0.20 a	0.20 a
AAC Spitfire	0.30 a	0.20 a
AC Transcend	0.63 a	0.20 a



Grain Yield (bu/ac)

	Untreated	Manipulator	Difference	% difference
CDC Plenitful	58.82 d	65.66 c	6.8	11.6%
AAC Jatharia VB	64.92 c	70.10 b	5.2	8.0%
AAC Brandon	72.23 b	77.93 a	5.7	7.9%
CDC Landmark VB	65.71 c	70.62 b	4.9	7.5%
AAC Spitfire	70.97 b	79.20 a	8.2	11.6%
AC Transcend	69.82 b	77.73 a	7.9	11.3%



Protein (%)

	Untreated	Manipulator
CDC Plenitful	13.8 e	13.9 de
AAC Jatharia VB	14.4 ab	13.9 de
AAC Brandon	14.5 a	14.2 bc
CDC Landmark VB	14.4 a	14.1 cd
AAC Spitfire	13.3 f	12.9 g
AC Transcend	13.8 e	13.3 f

Fus damaged kernels (%)

	Untreated	Manipulator
CDC Plenitful	0	0
AAC Jatharia VB	0	0
AAC Brandon	0	0
CDC Landmark VB	0	0
AAC Spitfire	0	0
AC Transcend	0	0