

SOUTH DAKOTA STATE UNIVERSITY College of Agriculture, Food and Environmental Sciences

South Dakota State University Extension South Dakota Agricultural Experiment Station at SDSU

## 2024 South Dakota Spring Wheat Variety Trial Results Wall

Karl Glover | SDSU Spring Wheat Breeder Christopher Graham | SDSU Extension Agronomist Jeremy Williams | Farm Manager Lindsay Muller | Agricultural Research Technician Kevin Kirby | Agricultural Research Manager Shawn Hawks | Agricultural Research Manager

Cooperator:	Tyler Eisenbraun					
Location:	44.038056°, -102.375278°					
Soil Type:	Santanta loam, 0-2% slopes					
Previous crop:	sunflowers					
Tillage:	no-till					
Row spacing:	10"					
Seeding Rate:	1.2 million PLS/acre					
Fertilizer:						
-Starter:	6 gal/acre 10-25-0-5S25Z					
-Other:	40 gal/acre 28-0-0 mid-row banded					
Herbicide:						
-Burndown:	16 oz/acre WideMatch + 32 oz/acre Roundup					
-Post:	none					
Fungicide:	none					
Date seeded:	4/24/2024					
Date harvested:	8/5/2024					

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## South Dakota State University Extension

Table 1. 2024 spring wheat variety performance trial results (average of 4 replications) at Wall, SD. Entries are sorted by overall 3-year yield. Varieties yielding in the top 1/3 of the trial are shaded light blue.

LCS BOOM   26   not   56.0   15.8   54.7   54.9   23.6   39.2   44.4     LCS CANNON   26   reported   56.0   15.8   61.2   42.3   22.3   32.3   41.9     SY VALDA   26   -   53.2   16.1   56.7   47.0   22.1   34.5   41.9     MN-ROTHSAY   24   -   53.8   15.8   53.6   49.0   21.9   35.4   41.5     ASCEND-SD   28   -   55.3   16.2   52.1   49.0   22.9   36.0   41.4     AP GUNSMOKE CL2   26   -   54.6   16.1   54.1   18.4   36.3   41.2     DRIVER   27   -   53.5   15.6   51.3   47.5   24.0   35.7   40.9     BRAWN-SD   27   -   56.1   15.4   51.8   48.3   19.5   33.9   39.8     AP MURDOCK   26   -   54.9   16.6   56.2	Variety	Height	Lodging*	Test Wt	Protein %	2022	2023	2024	2-year	3-year
LCS CANNON   26   reported   56.0   15.8   61.2   42.3   22.3   32.3   41.9     SY VALDA   26   -   53.2   16.1   56.7   47.0   22.1   34.5   41.9     MN-ROTHSAY   24   -   55.3   16.2   52.1   49.0   21.9   35.4   41.4     ASCEND-SD   28   -   55.3   16.2   52.1   49.0   22.9   36.0   41.4     AF GUNSMOKE CL2   26   -   54.6   16.9   53.1   47.2   23.7   35.5   41.3     LCS TRIGGER   27   -   53.5   15.6   51.3   47.5   24.0   35.7   40.9     BRAWN-SD   27   -   56.1   15.5   52.0   44.4   23.8   34.1   40.1     MS COBRA   25   -   54.6   15.1   49.1   48.3   19.9   34.2   39.2     MS CHARGER   26   -   54.0   15.5 <th></th> <th>(in)</th> <th>(1-5)</th> <th>(lbs)</th> <th></th> <th>(bu/a)#</th> <th>(bu/a)</th> <th>(bu/a)</th> <th>(bu/a)</th> <th>(bu/a)</th>		(in)	(1-5)	(lbs)		(bu/a)#	(bu/a)	(bu/a)	(bu/a)	(bu/a)
SY VALDA 26 - 53.2 16.1 56.7 47.0 22.1 34.5 41.9   MN-ROTHSAY 24 - 53.8 15.8 53.6 49.0 21.9 35.4 41.5   ASCEND-SD 28 - 55.3 16.2 53.1 47.2 23.7 35.5 41.3   LCS TRIGGER 27 - 53.1 15.6 51.3 47.5 24.0 35.7 40.9   BRAWN-SD 27 - 56.1 15.5 52.0 44.4 23.8 34.1 40.1   MS COBRA 25 - 54.6 16.1 47.4 50.9 21.6 36.2 40.0   LS BUSTER 26 - 54.2 15.1 49.1 48.6 19.9 34.2 39.2   SURPASS 27 - 54.0 16.1 54.6 39.1 21.6 30.4 38.5   CAG JUSTIFY 28 - 51.5 16.2 54.8 39.7 20.2 29.9 38.2   LCS AMMER AX 27 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										
MN-ROTHSAY   24   -   53.8   15.8   53.6   49.0   21.9   35.4   41.5     ASCEND-SD   28   -   55.3   16.2   52.1   49.0   22.9   36.0   41.4     AP GUNSMOKE CL2   26   -   54.6   16.9   53.1   47.2   22.7   35.5   41.3     LCS TRIGGER   27   -   53.1   15.7   51.1   54.4   23.8   34.1   40.1     MS COBRA   25   -   54.6   16.1   47.4   23.8   34.1   40.1     MS COBRA   25   -   54.6   16.1   47.4   20.9   30.7   39.2     MS CHARGER   26   -   54.2   15.1   49.1   48.6   19.9   34.2   39.2     SURPASS   27   -   54.0   15.5   54.6   39.1   21.6   30.4   38.5     CAG JUSTIFY   28   -   51.5   16.6   54.4   39.7			reported							
ASCEND-SD   28   -   55.3   16.2   52.1   49.0   22.9   36.0   41.4     AP GUNSMOKE CL2   26   -   54.6   16.9   53.1   47.2   23.7   35.5   41.3     LCS TRIGGER   27   -   53.1   15.7   51.1   54.1   18.4   36.3   41.2     DRWER   27   -   53.5   15.6   51.3   37.1   24.0   35.7   40.9     BRAWN-SD   27   -   56.1   15.5   52.0   44.4   23.8   34.1   40.1     LCS BUSTER   26   -   50.4   15.4   51.8   48.3   19.5   33.9   39.8     AP MURDOCK   26   -   54.0   16.1   54.1   41.3   20.5   30.9   38.6     WB9606   27   -   54.0   15.5   54.6   39.1   21.6   30.4   38.5     CAG JUSTIFY   28   -   51.5   16.2   <			-							
AP GUNSMOKE CL2   26   -   54.6   16.9   53.1   47.2   23.7   35.5   41.3     LCS TRIGGER   27   -   53.1   15.7   51.1   54.1   18.4   36.3   41.2     DRIVER   27   -   53.5   15.6   51.3   47.5   24.0   35.7   40.9     BRAWN-SD   27   -   56.1   15.5   52.0   44.4   23.8   34.1   40.1     MS COBRA   25   -   54.6   16.1   47.4   50.9   21.6   36.2   40.0     LCS BUSTER   26   -   54.2   15.1   49.1   48.6   19.9   34.2   39.2     SURPASS   27   -   54.0   15.5   54.6   39.1   21.6   30.4   38.5     CAG JUSTIFY   28   -   51.5   16.2   54.8   38.7   23.7   31.2   37.9     DRE VAIL   26   -   55.0   15.6 <t< td=""><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>			-							
LCS TRIGGER   27   -   53.1   15.7   51.1   54.1   18.4   36.3   41.2     DRIVER   27   -   53.5   15.6   51.3   47.5   24.0   35.7   40.9     BRAWN-SD   27   -   56.1   15.5   52.0   44.4   23.8   34.1   40.1     MS COBRA   25   -   54.6   16.1   47.4   50.9   21.6   36.2   40.0     LCS BUSTER   26   -   54.9   16.6   56.2   42.2   19.3   30.7   39.2     MS CHARGER   26   -   54.0   15.1   49.1   48.6   19.9   34.2   39.2     SURPASS   27   -   54.0   15.5   54.6   39.1   21.6   30.4   38.5     CAG JUSTIFY   28   -   51.5   16.2   54.8   39.7   20.2   29.9   38.2     LCS HAMMER AX   27   -   55.0   15.6 <t< td=""><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>			-							
DRIVER   27   -   53.5   15.6   51.3   47.5   24.0   35.7   40.9     BRAWN-SD   27   -   56.1   15.5   52.0   44.4   23.8   34.1   40.1     MS COBRA   25   -   54.6   16.1   47.4   50.9   21.6   36.2   40.0     LCS BUSTER   26   -   54.9   16.6   56.2   42.2   19.3   30.7   39.2     MS CHARGER   26   -   54.0   15.1   49.1   48.6   19.9   34.2   39.2     SURPASS   27   -   54.0   15.5   54.6   39.1   21.6   30.4   38.5     CAG JUSTIFY   28   -   51.5   16.2   54.8   39.7   20.2   29.9   38.2     LCS HAMMER AX   27   -   55.0   15.6   49.8   41.6   22.7   32.1   38.0     LCS ASCENT   27   -   55.1   15.7 <td< td=""><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>			-							
BRAWN-SD   27   -   56.1   15.5   52.0   44.4   23.8   34.1   40.1     MS COBRA   25   -   54.6   16.1   47.4   50.9   21.6   36.2   40.0     LCS BUSTER   26   -   54.9   16.6   56.2   42.2   19.3   30.7   39.2     MS CHARGER   26   -   54.2   15.1   48.6   19.9   34.2   39.2     SURPASS   27   -   54.0   16.1   54.1   41.3   20.5   30.9   38.6     WB9606   27   -   54.0   15.5   54.6   39.1   21.6   30.4   38.5     CAG JUSTIFY   28   -   51.5   16.2   54.8   39.7   22.7   32.1   38.0     LCS HAMMER AX   27   -   55.0   15.6   51.4   38.7   23.7   31.2   37.9     PFS BUNS   25   -   48.8   16.4   60.5   4			-							
MS COBRA   25   -   54.6   16.1   47.4   50.9   21.6   36.2   40.0     LCS BUSTER   26   -   50.4   15.4   51.8   48.3   19.5   33.9   39.8     AP MURDOCK   26   -   54.9   16.6   56.2   42.2   19.3   30.7   39.2     MS CHARGER   26   -   54.0   15.1   49.1   48.6   19.9   34.2   39.2     SURPASS   27   -   54.0   15.5   54.6   39.1   21.6   30.4   38.5     CAG JUSTIFY   28   -   51.5   16.2   54.8   39.7   20.2   29.9   38.2     LCS ASCENT   27   -   53.5   15.6   49.8   41.6   22.7   32.1   38.0     LCS ASCENT   27   -   55.0   15.6   51.4   36.7   21.4   34.1   36.8     CAG RECKLESS   27   -   55.2   16.2			-							
LCS BUSTER 26 - 50.4 15.4 51.8 48.3 19.5 33.9 39.8   AP MURDOCK 26 - 54.9 16.6 56.2 42.2 19.3 30.7 39.2   MS CHARGER 26 - 54.2 15.1 49.1 48.6 19.9 34.2 39.2   SURPASS 27 - 54.0 16.1 54.1 41.3 20.5 30.9 38.6   WB9606 27 - 54.0 16.1 54.6 39.1 21.6 30.4 38.5   CAG JUSTIFY 28 - 51.5 16.2 54.8 39.7 20.2 29.9 38.2   LCS HAMMER AX 27 - 55.0 15.6 51.4 38.7 23.7 31.2 37.9   PREVAIL 26 - 48.8 16.4 60.5 44.6 6.2 25.4 37.1   PREVAIL 26 - 55.2 16.2 42.3 30.8 24.3 27.5 32.5   LCS DUAL 28 - </td <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>			-							
AP MURDOCK   26   -   54.9   16.6   56.2   42.2   19.3   30.7   39.2     MS CHARGER   26   -   54.2   15.1   49.1   48.6   19.9   34.2   39.2     SURPASS   27   -   54.0   16.1   54.1   41.3   20.5   30.9   38.6     WB9606   27   -   54.0   15.5   54.6   39.1   21.6   30.4   38.5     CAG JUSTIFY   28   -   51.5   16.2   54.8   39.7   20.2   29.9   38.2     LCS HAMMER AX   27   -   55.0   15.6   49.8   41.6   62.2   25.4   37.1     PREVAIL   26   -   55.0   15.6   42.3   46.7   21.4   34.1   36.8     CAG RECKLESS   27   -   55.1   15.7   45.8   42.1   20.3   31.2   36.0     LCS DUAL   28   -   54.4   15.2 <t< td=""><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>			-							
MS CHARGER   26   -   54.2   15.1   49.1   48.6   19.9   34.2   39.2     SURPASS   27   -   54.0   16.1   54.1   41.3   20.5   30.9   38.6     WB9606   27   -   54.0   15.5   54.6   39.1   21.6   30.4   38.5     CAG JUSTIFY   28   -   51.5   16.2   54.8   39.7   20.2   29.9   38.2     LCS HAMMER AX   27   -   53.5   15.6   49.8   41.6   22.7   32.1   38.0     LCS ASCENT   27   -   55.0   15.6   49.8   41.6   62.2   25.4   37.1     PREVAIL   26   -   55.0   15.6   42.3   46.7   21.4   34.1   36.8     CAG RECKLESS   27   -   55.1   15.7   45.8   42.1   20.3   31.2   36.0     CP309A   27   -   52.2   16.2			-							
SURPASS   27   -   54.0   16.1   54.1   41.3   20.5   30.9   38.6     WB9606   27   -   54.0   15.5   54.6   39.1   21.6   30.4   38.5     CAG JUSTIFY   28   -   51.5   16.2   54.8   39.7   20.2   29.9   38.2     LCS HAMMER AX   27   -   53.5   15.6   49.8   41.6   22.7   32.1   38.0     LCS ASCENT   27   -   55.0   15.6   51.4   38.7   23.7   31.2   37.9     PFS BUNS   25   -   48.8   16.4   60.5   44.6   6.2   25.4   37.1     PREVALL   26   -   55.1   15.7   45.8   42.1   20.3   31.2   36.0     AP REVOLUTION   26   -   55.2   16.2   42.3   30.8   24.3   27.5   32.5     LCS DUAL   28   -   54.4   15.2	AP MURDOCK		-							
WB9606   27   -   54.0   15.5   54.6   39.1   21.6   30.4   38.5     CAG JUSTIFY   28   -   51.5   16.2   54.8   39.7   20.2   29.9   38.2     LCS HAMMER AX   27   -   53.5   15.6   49.8   41.6   22.7   32.1   38.0     LCS ASCENT   27   -   55.0   15.6   51.4   38.7   23.7   31.2   37.9     PFS BUNS   25   -   48.8   16.4 <b>60.5</b> 44.6   6.2   25.4   37.1     PREVAIL   26   -   55.0   15.6   42.3   46.7   21.4   34.1   36.8     CAG RECKLESS   27   -   55.2   16.2   42.3   30.8   24.3   27.5   32.5     LCS DUAL   28   -   54.4   15.2   48.2   24.4   22.1   23.2   31.6     CP309A   27   -   52.0   15.8	MS CHARGER		-							
CAG JUSTIFY   28   -   51.5   16.2   54.8   39.7   20.2   29.9   38.2     LCS HAMMER AX   27   -   53.5   15.6   49.8   41.6   22.7   32.1   38.0     LCS ASCENT   27   -   55.0   15.6   51.4   38.7   23.7   31.2   37.9     PFS BUNS   25   -   48.8   16.4 <b>60.5</b> 44.6   6.2   25.4   37.1     PREVAIL   26   -   55.0   15.6   42.3   46.7   21.4   34.1   36.8     CAG RECKLESS   27   -   55.1   15.7   45.8   42.1   20.3   31.2   36.0     AP REVOLUTION   26   -   55.2   16.2   48.2   24.4   22.1   23.2   31.6     CP309A   27   -   52.0   15.8   52.4   6.0   21.6   13.8   26.7     MN-TORGY   25   -   55.2   16.0	SURPASS		-	54.0		54.1				
LCS HAMMER AX 27 - 53.5 15.6 49.8 41.6 22.7 32.1 38.0   LCS ASCENT 27 - 55.0 15.6 51.4 38.7 23.7 31.2 37.9   PFS BUNS 25 - 48.8 16.4 <b>60.5</b> 44.6 6.2 25.4 37.1   PREVAIL 26 - 55.0 15.6 42.3 46.7 21.4 34.1 36.8   CAG RECKLESS 27 - 55.1 15.7 45.8 42.1 20.3 31.2 36.0   AP REVOLUTION 26 - 55.2 16.2 42.3 30.8 24.3 27.5 32.5   LCS DUAL 28 - 54.4 15.2 48.2 24.4 22.1 23.2 31.6   CP3099A 27 - 52.0 15.8 52.4 6.0 21.6 13.8 26.7   MN-TORGY 25 - 55.2 16.0 - 50.1 19.7 34.9 -   CP3188 27 - <td>WB9606</td> <td></td> <td>-</td> <td>54.0</td> <td></td> <td></td> <td>39.1</td> <td></td> <td></td> <td>38.5</td>	WB9606		-	54.0			39.1			38.5
LCS ASCENT   27   -   55.0   15.6   51.4   38.7   23.7   31.2   37.9     PFS BUNS   25   -   48.8   16.4   60.5   44.6   6.2   25.4   37.1     PREVAIL   26   -   55.0   15.6   42.3   46.7   21.4   34.1   36.8     CAG RECKLESS   27   -   55.1   15.7   45.8   42.1   20.3   31.2   36.0     AP REVOLUTION   26   -   55.2   16.2   42.3   30.8   24.3   27.5   32.5     LCS DUAL   28   -   54.4   15.2   48.2   24.4   22.1   23.2   31.6     CP3099A   27   -   52.0   15.8   52.4   6.0   21.6   13.8   26.7     MN-TORGY   25   -   55.2   16.0   -   50.1   19.7   34.9   -     CP3188   27   -   52.3   15.3   -	CAG JUSTIFY	28	-	51.5	16.2	54.8	39.7	20.2	29.9	38.2
PFS BUNS 25 - 48.8 16.4 60.5 44.6 6.2 25.4 37.1   PREVAIL 26 - 55.0 15.6 42.3 46.7 21.4 34.1 36.8   CAG RECKLESS 27 - 55.1 15.7 45.8 42.1 20.3 31.2 36.0   AP REVOLUTION 26 - 55.2 16.2 42.3 30.8 24.3 27.5 32.5   LCS DUAL 28 - 54.4 15.2 48.2 24.4 22.1 23.2 31.6   CP3099A 27 - 52.0 15.8 52.4 6.0 21.6 13.8 26.7   MN-TORGY 25 - 55.2 16.0 - 50.1 19.7 34.9 -   CP3188 27 - 52.3 15.3 - 39.7 28.9 34.3 -   WB9590 25 - 53.9 16.5 - 37.3 18.9 28.1 -   CP3055 27 - 53.9	LCS HAMMER AX	27	-	53.5	15.6	49.8	41.6	22.7	32.1	38.0
PREVAIL   26   -   55.0   15.6   42.3   46.7   21.4   34.1   36.8     CAG RECKLESS   27   -   55.1   15.7   45.8   42.1   20.3   31.2   36.0     AP REVOLUTION   26   -   55.2   16.2   42.3   30.8   24.3   27.5   32.5     LCS DUAL   28   -   54.4   15.2   48.2   24.4   22.1   23.2   31.6     CP3099A   27   -   52.0   15.8   52.4   6.0   21.6   13.8   26.7     MN-TORGY   25   -   55.2   16.0   -   50.1   19.7   34.9   -     CAG RECOIL   26   -   51.4   16.1   -   43.8   24.9   34.4   -     CP3188   27   -   52.3   15.3   -   37.3   18.9   28.1   -     ND STAMPEDE   26   -   52.6   16.4   -	LCS ASCENT	27	-	55.0	15.6	51.4	38.7	23.7	31.2	37.9
CAG RECKLESS27-55.115.745.842.120.331.236.0AP REVOLUTION26-55.216.242.330.824.327.532.5LCS DUAL28-54.415.248.224.422.123.231.6CP3099A27-52.015.852.46.021.613.826.7MN-TORGY25-55.216.0-50.119.734.9-CAG RECOIL26-51.416.1-43.824.934.4-CP318827-52.315.3-39.728.934.3-WB959025-53.916.5-37.318.928.1-CP305527-53.915.521.0CAG CERES27-53.915.819.4CP332227-53.915.818.7ND THRESHER27-53.916.218.7ND THRESHER27-53.916.216.8ND THRESHER27-53.916.216.8ND THRESHER27-53.816.051.441.021.631.738.3LSD (0.05)†0.	PFS BUNS	25	-	48.8	16.4	60.5	44.6	6.2	25.4	37.1
AP REVOLUTION   26   -   55.2   16.2   42.3   30.8   24.3   27.5   32.5     LCS DUAL   28   -   54.4   15.2   48.2   24.4   22.1   23.2   31.6     CP3099A   27   -   52.0   15.8   52.4   6.0   21.6   13.8   26.7     MN-TORGY   25   -   55.2   16.0   -   50.1   19.7   34.9   -     CAG RECOIL   26   -   51.4   16.1   -   43.8   24.9   34.4   -     CP3188   27   -   52.3   15.3   -   39.7   28.9   34.3   -     WB9590   25   -   53.9   16.5   -   37.3   18.9   28.1   -     CP3055   27   -   53.9   15.5   -   -   21.0   -   -     CP3322   27   -   53.9   15.8   -   -   19.4	PREVAIL	26	-	55.0	15.6	42.3	46.7	21.4	34.1	36.8
LCS DUAL28-54.415.248.224.422.123.231.6CP3099A27-52.015.852.46.021.613.826.7MN-TORGY25-55.216.0-50.119.734.9-CAG RECOIL26-51.416.1-43.824.934.4-CP318827-52.315.3-39.728.934.3-WB959025-53.916.5-37.318.928.1-ND STAMPEDE26-52.616.425.0CP305527-53.915.521.0CAG CERES27-53.915.320.3MS NOVA24-53.915.818.7MD THRESHER27-53.916.216.8ND THRESHER27-53.916.216.8ND THRESHER27-53.816.051.441.021.631.738.3LSD (0.05)†53.816.051.441.021.631.738.3	CAG RECKLESS	27	-	55.1	15.7	45.8	42.1	20.3	31.2	36.0
CP3099A27-52.015.852.46.021.613.826.7MN-TORGY25-55.216.0-50.119.734.9-CAG RECOIL26-51.416.1-43.824.934.4-CP318827-52.315.3-39.728.934.3-WB959025-53.916.5-37.318.928.1-ND STAMPEDE26-52.616.425.0CP305527-53.915.521.0CAG CERES27-53.915.819.4CP332227-53.916.216.8ND THRESHER27-53.916.216.8Trial Average#26.2-53.816.051.441.021.631.738.3LSD (0.05)†0.60.88.45.03.52.93.3	AP REVOLUTION	26	-	55.2	16.2	42.3	30.8	24.3	27.5	32.5
MN-TORGY 25 - 55.2 16.0 - 50.1 19.7 34.9 -   CAG RECOIL 26 - 51.4 16.1 - 43.8 24.9 34.4 -   CP3188 27 - 52.3 15.3 - 39.7 28.9 34.3 -   WB9590 25 - 53.9 16.5 - 37.3 18.9 28.1 -   ND STAMPEDE 26 - 52.6 16.4 - - 25.0 - -   CP3055 27 - 53.9 15.5 - - 21.0 - -   CAG CERES 27 - 53.9 15.3 - - 20.3 - -   MS NOVA 24 - 53.9 15.8 - - 19.4 - -   CP3322 27 - 53.9 16.2 - - 18.7 - -   ND THRESHER 27 - 53.8 16.0 51.4 41.0 <t< td=""><td>LCS DUAL</td><td>28</td><td>-</td><td>54.4</td><td>15.2</td><td>48.2</td><td>24.4</td><td>22.1</td><td>23.2</td><td>31.6</td></t<>	LCS DUAL	28	-	54.4	15.2	48.2	24.4	22.1	23.2	31.6
CAG RECOIL26-51.416.1-43.824.934.4-CP318827-52.315.3-39.728.934.3-WB959025-53.916.5-37.318.928.1-ND STAMPEDE26-52.616.425.0CP305527-53.915.521.0CAG CERES27-53.915.320.3MS NOVA24-53.915.819.4CP332227-53.916.218.7ND THRESHER27-53.816.051.441.021.631.738.3LSD (0.05)†0.60.88.45.03.52.93.3	CP3099A	27	-	52.0	15.8	52.4	6.0	21.6	13.8	26.7
CP318827-52.315.3-39.728.934.3-WB959025-53.916.5-37.318.928.1-ND STAMPEDE26-52.616.425.0CP305527-53.915.521.0CAG CERES27-53.915.320.3MS NOVA24-53.915.819.4CP332227-53.916.218.7ND THRESHER27-53.916.216.8Trial Average#26.2-53.816.051.441.021.631.738.3LSD (0.05)†0.60.88.45.03.52.93.3	MN-TORGY	25	-	55.2	16.0	-	50.1	19.7	34.9	-
WB9590 25 - 53.9 16.5 - 37.3 18.9 28.1 -   ND STAMPEDE 26 - 52.6 16.4 - - <b>25.0</b> - -   CP3055 27 - 53.9 15.5 - - 21.0 - -   CAG CERES 27 - 53.9 15.3 - - 20.3 - -   MS NOVA 24 - 53.9 15.8 - - 19.4 - -   CP3322 27 - 53.9 16.2 - - 18.7 - -   ND THRESHER 27 - 53.9 16.2 - - 16.8 - -   ND THRESHER 27 - 53.9 16.2 - - 16.8 - -   ND THRESHER 27 - 53.8 16.0 51.4 41.0 21.6 31.7 38.3   LSD (0.05)† - - 0.6 0.8 8.4 5.0 <t< td=""><td>CAG RECOIL</td><td>26</td><td>-</td><td>51.4</td><td>16.1</td><td>-</td><td>43.8</td><td>24.9</td><td>34.4</td><td>-  </td></t<>	CAG RECOIL	26	-	51.4	16.1	-	43.8	24.9	34.4	-
ND STAMPEDE 26 - 52.6 16.4 - - 25.0 - -   CP3055 27 - 53.9 15.5 - - 21.0 - -   CAG CERES 27 - 53.9 15.3 - - 20.3 - -   MS NOVA 24 - 53.9 15.8 - - 19.4 - -   CP3322 27 - 53.9 16.2 - - 18.7 - -   ND THRESHER 27 - 53.9 16.2 - - 16.8 - -   ND THRESHER 27 - 53.9 16.2 - - 16.8 - -   ND THRESHER 27 - 53.8 16.0 51.4 41.0 21.6 31.7 38.3   LSD (0.05)† - - 0.6 0.8 8.4 5.0 3.5 2.9 3.3	CP3188	27	-	52.3	15.3	-	39.7	28.9	34.3	-
CP305527-53.915.521.0CAG CERES27-53.915.320.3MS NOVA24-53.915.819.4CP332227-53.916.218.7ND THRESHER27-53.916.216.8Trial Average#26.2-53.816.051.441.021.631.738.3LSD (0.05)†0.60.88.45.03.52.93.3	WB9590	25	-	53.9	16.5	-	37.3	18.9	28.1	-
CAG CERES 27 - 53.9 15.3 - - 20.3 - -   MS NOVA 24 - 53.9 15.8 - - 19.4 - -   CP3322 27 - 53.9 16.2 - - 18.7 - -   ND THRESHER 27 - 53.9 16.2 - - 16.8 - -   Trial Average# 26.2 - 53.8 16.0 51.4 41.0 21.6 31.7 38.3   LSD (0.05)† - - 0.6 0.8 8.4 5.0 3.5 2.9 3.3	ND STAMPEDE	26	-	52.6	16.4	-	-	25.0	-	-
MS NOVA 24 - 53.9 15.8 - - 19.4 - -   CP3322 27 - 53.9 16.2 - - 18.7 - -   ND THRESHER 27 - 53.9 16.2 - - 16.8 - -   Trial Average# 26.2 - 53.8 16.0 51.4 41.0 21.6 31.7 38.3   LSD (0.05)† - - 0.6 0.8 8.4 5.0 3.5 2.9 3.3	CP3055	27	-	53.9	15.5	-	-	21.0	-	-
MS NOVA   24   -   53.9   15.8   -   -   19.4   -   -     CP3322   27   -   53.9   16.2   -   -   18.7   -   -     ND THRESHER   27   -   53.9   16.2   -   -   16.8   -   -     Trial Average#   26.2   -   53.8   16.0   51.4   41.0   21.6   31.7   38.3     LSD (0.05)†   -   -   0.6   0.8   8.4   5.0   3.5   2.9   3.3	CAG CERES	27	-	53.9	15.3	-	-	20.3	-	-
CP3322 27 - 53.9 16.2 - - 18.7 - -   ND THRESHER 27 - 53.9 16.2 - - 16.8 - -   Trial Average# 26.2 - 53.8 16.0 51.4 41.0 21.6 31.7 38.3   LSD (0.05)† - - 0.6 0.8 8.4 5.0 3.5 2.9 3.3	MS NOVA	24	-			-	-		-	-
ND THRESHER   27   -   53.9   16.2   -   -   16.8   -   -     Trial Average#   26.2   -   53.8   16.0   51.4   41.0   21.6   31.7   38.3     LSD (0.05)†   -   -   0.6   0.8   8.4   5.0   3.5   2.9   3.3	CP3322	27	-			-	-		-	-
Trial Average#   26.2   -   53.8   16.0   51.4   41.0   21.6   31.7   38.3     LSD (0.05)†   -   -   0.6   0.8   8.4   5.0   3.5   2.9   3.3			-			-	-		-	-
LSD (0.05)† 0.6 0.8 8.4 5.0 3.5 2.9 3.3			-			51.4	41.0		31.7	38.3
	-		-							
<b>C.V.</b> % <b>=</b> 11.8 8.7 11.9 9.5 10.9	C.V. %‡	_	-				8.7			

\* Lodging score: 1, perfectly standing; to 5, completely flat.

# Trial averages may include values from experimental lines that are not reported, yield is reported @13%M, protein is @12%M.

 $\dagger$  Value required ( $\geq$ LSD) to determine if varieties are significantly different from one another.

‡ C.V. is a measure of variability or experimental error, 15% or less is considered acceptable.