2020 Soybean Variety Performance Trial Results

WHEAT TECH RESEARCH AND DEVELOPMENT DIVISION
WWW.WHEATTECH.COM

Wheat Tech Agronomy
Table of Contents

Wheat Tech Agronomy
2020 Soybean Variety Performance Test

General Information:

The 2020 Soybean Variety Performance Tests were conducted in four different locations: Hodgenville, KY, Pembroke, KY, Franklin, KY and Charleston, MO. The Hodgenville, KY location was the only full season soybean test, and the others were true double cropped trials. With increased interest in planting soybeans much earlier than is typical for the area, an early planted variety trial was added into the standard tests.

The varieties were separated into three maturity groups: ≤ 4.4, 4.5 – 4.7, and ≥ 4.8. There were a total of 75 varieties in the Hodgenville, KY test. At the Pembroke, KY there were 70, and the Franklin, KY location contained 72. The Missouri double crop test had just 28 different varieties. The plots were planted four rows wide by 40 feet long with a Kincaid Voltra planter. The tests at all locations were replicated 4 times. The pre and post sprays were conducted by Wheat Tech. All locations were sprayed with conventional herbicides to accommodate multiple herbicide tolerances. Locations were harvested using a Kincaid 8-XP combine with a HarvestMaster Classic GrainGage HM800 running the Mirus software. The following chart contains quick information about each location.

Test Site:	KY Early Planted	KY Full Season	KY Double Crop (Early)	MO Double Crop	KY Double Crop (Late)
Location:	Bowling Green, KY	Hodgenville, KY	Pembroke, KY	Charleston, MO	Franklin, KY
Planting Date:	4/5/2020	5/25/2020	6/18/2020	6/19/2020	6/25/2020
Harvest Date:	10/22/2020	11/2/2020	11/5/2020	11/4/2020	11/7/2020
Irrigation:	NO	NO	NO	NO	NO
Previous Crop:	Corn	Corn	Wheat	Wheat	Wheat
Soil Type:	Pembroke silt loam	Elk silt loam	Pembroke silt loam	Commerce silt loam	Mountview silt loam
Tillage System:	No-till	No-till	No-till	No-till	No-till
Seeding Rate (s/a):	160,000	140,000	160,000	140,000	160,000
Row Space:	15"	15"	15"	15"	15"

Growing Season:

The 2020 Soybean season began with the planting of our Early Planted soybean plot on April 5th at the Western Kentucky University Research Farm in Bowling Green, KY. The soil temperature at 1.5" on the day of planting was 70°F with plenty of moisture. The seeds had begun to "swell" within 24 hours and the radicle had formed and extended 0.25" within 7 days. During this time, the soil temperature averaged 59.9°F. Temperatures dropped dramatically for the next 11 days, with the soil temperature averaging just 54.6°F. This slowed the growth of the plants, with full emergence occurring on the 23rd of April, but this delay in emergence is typical with this early planting timing. According to the University of Nebraska at Lincoln, the imbibtional phase of a soybean seed can be completed in just 6-24 hours if the soil temperature is kept above 50°F. During this short, but crucial, phase, you want to avoid cold rains or extremely cold temperatures that could dramatically lower soil temperatures for at least 24 hours after the seed goes into the ground, to lower the risk of chilling injury. Once the imbibtional phase ends, so does the risk of chilling injury. Next, the Osmotic phase begins and continues through emergence. Again, quoting UNL, "*In the osmotic phase of soybean germination, a much slower uptake of water occurs. Seedlings in this phase are quite tolerant of soil temps as low as 35-40°F, although extended low soil temperatures can be expected to lengthen the germination to emergence timeframe*." This delay in emergence is not a bad thing. In fact, it can help to protect the soybeans from late freezes that could injure or even kill the crop. Once the soybean cotyledon has fully emerged, the plant is at great risk for freeze damage.

According to Pioneer.com, "*A soybean plant at the cotyledon stage has three growing points – the main shoot and two axillary buds at the base of the cotyledons. Recovery from freezing injury is possible as long as at least one of these buds survives. Freezing damage that extends below the cotyledons will result in the death of the plant. Temperatures below 32º F (0º C) can cause frost damage to emerged soybean plants, while temperatures below 28º F (-2º C) for an extended period of time (>4 hrs) can be lethal, especially on lighter-textured soils.*" A freeze event did threaten early planted soybeans this year on May 9th. At our location, the soybeans were at V1. Fortunately, the temperature only reached 32°F for 1 hour, which did cause some necrosis to the leaf margins but did not result in any yield limiting damage.

Cold weather is just one threat to early planted soybeans. Pest control can, also, be more difficult. Certain weeds that would normally be eliminated with a pre-plant herbicide application on a later full season soybean timing may not be germinated yet, at this early timing. Therefore, these weeds will be emerging along with your soybeans, potentially limiting your herbicide options. Insects also pose a potential issue for this crop. Heavy defoliators, such as Japanese Beetles, tend to target these young soybeans in early May as the temperatures rise, which could warrant an insecticide application at a vegetative timing. Overall, this plot had ideal growing conditions. Little to no disease was present at any time. While we have multiple years of data on this planting timing, 2020 is the first year that it was open to public entries.

The full season plot in Hodgenville, KY performed very well this year. Ample moisture and high temperatures through June and July resulted in fast vegetative growth. This continued into reproductive stages, setting the scene for high yields, but also, a threat for lodging. The high humidity created an ideal environment for disease, as well. Sudden Death Syndrome (SDS) was prevalent in several varieties at this location, and no Frogeye Leaf Spot infection was noticed over ~5%. The result at harvest, was an average yield of 73.2 bu/ac, which came with an average of 31% lodging. While most varieties had very little, some were quite severe. Purple seed stain caused an issue in some full season soybeans in 2020, although not much was present in our plots. This is a result of a fungus that causes Cercospora Leaf Blight (*cercospora kikuchii).* While this pathogen overwinters on debris or seed, favorable conditions for disease development are warm temperatures and high humidity, as described above.

The three double crop plots yielded very well this year, also. Located in Charleston, MO, Pembroke, KY, and Franklin, KY, average yields were 54.5 bu/ac, 71.1 bu/ac, and 68.6 bu/ac respectively. Again in 2020, we conducted a fungicide treated vs. untreated test, placed at our Pembroke, KY (Kentucky Double Crop Early) location. The fungicide was applied at the R3 timing to the 4 "Treated" replications, while the 4 "Untreated" replications received no application. Even in the absence of disease, this test yielded an average of +2.9 bu/ac from a foliar fungicide application. No disease was present at any double crop locations.

Data Interpretation:

The tables on the following pages have been prepared with the entries listed in order of performance, the highest-yielding entry being listed first. All yields presented have been adjusted to 13% moisture. At the bottom of the tables are three different values: LSD (Least Significant Difference), CV (Coefficient of Variation), and Grand Mean. The mean yields of any two varieties being compared must differ by at least the LSD amount shown to be considered different in yielding ability at the 5% level of probability of significance, which is represented by a letter to the right of the corresponding number. CV is a measure of the error variability found within each experiment. It is the ratio of the standard deviation to the mean. Grand Mean is the mean of all values in the group.

Acknowledgements

We would like to acknowledge the following participating companies, Wheat Tech owner, Bill Brinkley, and supporting chemical companies. Also, special thanks are extended to all other Wheat Tech employees for any involvement with the research and development division.

Participating Companies:

AgriGold
Agri-Technology Solutions (Taylor Seed)
Armor Seed
BASF (Credenz)
Bayer (ASGROW)
Brevant Seeds
Channel Seed
Corteva AgroSciences (Pioneer)
CROPLAN by Winfield United
Erwin-Keith, Inc. (Progeny Ag Products)
LG Seeds
Mission Seed Solutions
NuTech Seed
Nutrien Ag Solutions (Dyna-Gro Seed)
Stewart Seeds
UniSouth Genetics, Inc.

Supporting Chemical Companies:

BASF Corporation
Bayer CropSciences
FMC Corporation
Syngenta Crop Protection, LLC.

Wheat Tech Owner:

Bill Brinkley

Western Kentucky University Farm:

WKU Agriculture Research and Education Center
Director: Dr. Paul Woosley
Professor of Agronomy: Dr. Todd Willian
Farm Manager: Mr. Mike Saxton

Wheat Tech Research & Development Division:

Brad Wilks – Research Director
Matt Miller – Senior Research Associate/Soybean Manager
Kirsten Banks – Research Associate
Ben Goodrum –Research Associate

Wheat Tech Agronomy

2020 Kentucky Early Planted Soybean Variety Test

Bowling Green, KY

Brand/Variety	Growth Type	RM‡	Yield (BU/A)		TW‡ (LB/BU)	Plant HT‡ (IN)	EMERG‡ (%)	LDG‡ (%)
Dyna-Gro S43XS70	Thin-Line	4.3	90.1	a†	54.2	45	41	4
Dyna-Gro S46XS60	Thin-Line	4.6	89.6	ab	54.4	41	43	0
Progeny 4816RX	Bushy	4.8	87.7	abc	53.4	42	55	3
Brevant B459EE	Bushy	4.5	85.1	a-d	54.3	39	9	5
Pioneer P46A86X	Bushy	4.6	85.0	a-d	54.0	49	18	4
Brevant B419EE	Bushy	4.1	83.8	a-e	54.0	40	20	1
Credenz CZ 4410GTLL	Bushy	4.4	83.4	a-e	54.9	43	58	3
Pioneer P42A96X	Thin-Line	4.2	82.2	a-e	52.9	42	34	0
Progeny 4821RX	Bushy	4.8	82.0	b-e	53.5	42	29	0
Credenz CZ 4240GTLL	Bushy	4.2	81.9	b-e	54.7	38	43	5
Dyna-Gro S48XT56	Bushy	4.8	81.8	b-e	53.7	41	29	0
NuTech 39N04E	Thin-Line	3.9	81.3	cde	53.9	40	34	0
Pioneer P39A58X	Bushy	3.9	81.1	cde	54.0	35	51	0
Progeny 4970RX	Bushy	4.9	79.8	cde	53.8	43	28	10
Channel 4218R2X	Bushy	4.2	79.0	def	54.5	41	38	3
Brevant B389EE	Bushy	3.8	76.9	ef	53.3	37	44	25
Channel 3718R2X	Thin-Line	3.7	76.8	ef	53.2	34	34	0
NuTech 34N06E	Thin-Line	3.5	76.0	efg	53.8	39	36	18
NuTech 41N04E	Bushy	4.1	71.3	fgh	52.9	32	30	46
Credenz CZ 3750GTLL	Thin-Line	3.7	68.3	gh	53.6	35	43	5
LSD P=.05			7.9		.	.	.	.
CV			7.0		.	.	.	.
Grand Mean			**81.2**		**53.8**	**40**	**36**	**6**

Planted: April 5, 2020; Emerged: April 23, 2020; Harvested: October 22, 2020

†Means followed by same letter do not significantly differ (P=.05, LSD)

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height, EMERG: Emergence, LDG: Lodging

Wheat Tech Agronomy

2020 Kentucky Full Season Soybean Variety Test

Hodgenville, KY

Brand/Variety	RM‡	Yield (BU/A)		TW‡ (LB/BU)	Plant HT‡ (IN)	SDS‡ (%)	LDG‡ (%)
Channel 4218R2X/SR	4.2	87.5	a†	57.7	41	3	10
AgriGold G4190RX	4.1	87.4	ab	56.8	41	0	20
Croplan CP5010XS	5.0	85.9	abc	57.0	46	2	47
Stewart 4228R2X	4.2	85.7	abc	57.2	45	12	17
NuTech 43N04E	4.3	85.2	a-d	56.1	39	8	37
Dyna-Gro S48XT56	4.8	84.5	a-e	57.3	41	0	13
LG Seeds C4845RX	4.8	83.3	a-f	57.7	42	0	10
Armor A42-D27	4.2	83.2	a-g	58.6	43	0	23
LG Seeds LGS4899RX	4.8	82.7	a-h	57.1	43	2	0
AgriGold G4255RX	4.2	82.5	a-h	56.8	42	0	20
Dyna-Gro S41XS98	4.1	82.2	a-i	57.5	40	0	23
Asgrow AG46X0	4.6	82.1	a-i	57.7	44	0	7
Pioneer variety P46A86X	4.6	81.5	a-j	58.2	46	22	23
Croplan CP4150XS	4.1	81.4	a-k	56.9	40	0	20
AgriGold G4318RX	4.3	81.3	a-l	56.5	41	2	43
Armor A48-D25	4.8	80.5	a-m	56.4	43	3	13
Asgrow AG48X9	4.8	80.4	b-m	57.0	44	7	3
Pioneer variety P48A60X	4.8	80.4	c-m	56.9	41	8	43
Stewart 4339R2X	4.3	80.0	c-n	57.0	40	10	23
Taylor Seed T4880X	4.8	78.5	d-o	57.2	40	0	13
Asgrow AG43X0	4.3	78.1	e-p	56.3	42	13	27
LG Seeds LGS4464RX	4.4	77.7	e-q	57.8	43	3	33
AgriGold G3620RX	3.6	77.6	e-q	57.2	39	0	10
AgriGold G3850RX	3.8	77.1	f-q	56.6	38	0	17
Armor A46-D09	4.6	76.4	f-r	57.7	41	5	43
USG 7496XTS	4.9	76.3	g-r	56.9	44	12	27
Stewart 3628R2X	3.6	76.0	h-s	56.7	38	0	33
Progeny 4505RXS	4.5	75.5	i-t	57.1	46	18	60
Armor A49-D14	4.9	75.4	i-t	57.9	39	12	33
Asgrow AG47X9	4.7	75.3	i-u	57.2	42	18	13
Progeny 4620RXS	4.6	75.0	j-u	56.8	46	19	50
USG 7447XTS	4.4	74.9	j-u	57.1	45	22	40
Progeny 4265RXS	4.2	74.6	j-u	57.0	43	33	23
AgriGold G3722RX	3.7	74.4	k-v	56.3	40	0	23
Mission A4618X	4.6	74.3	l-v	57.5	49	13	40
USG 7489XT	4.8	73.7	m-w	56.4	41	22	20
LG Seeds LGS4632RX	4.6	73.7	m-w	57.7	42	3	37
Pioneer variety P39A58X	3.9	73.5	m-w	56.9	42	3	47
NuTech 39N05E	3.9	73.5	m-w	56.5	44	12	20
LG Seeds LGS3840RX	3.8	73.2	n-w	56.1	43	3	33
Croplan CP4520XS	4.5	73.0	n-x	56.9	44	2	27
Progeny 4816RX	4.8	72.8	o-x	56.2	43	22	20
Asgrow AG46X6	4.6	72.7	o-x	56.9	46	7	33

Wheat Tech Agronomy

2020 Kentucky Full Season Soybean Variety Test - Con.

Hodgenville, KY

Brand/Variety	RM‡	Yield (BU/A)		TW‡ (LB/BU)	Plant HT‡ (IN)	SDS‡ (%)	LDG‡ (%)
Pioneer variety P46A57BX	4.6	72.4	o-y	58.3	43	20	50
Armor A44-D92	4.4	72.2	o-z	56.9	42	4	23
Pioneer variety P42A96X	4.2	72.2	o-z	56.3	41	8	13
Dyna-Gro S49XS76	4.9	71.8	o-z	56.2	45	18	40
Mission A4689X	4.6	71.6	o-z	56.2	38	7	3
Stewart 4527R2X	4.5	71.3	p-z	57.4	41	7	27
Dyna-Gro S48XT90	4.8	71.2	p-z	58.2	39	4	30
Stewart 4029R2X	4.0	71.0	q-z	57.1	40	0	17
Asgrow AG43X7	4.3	69.8	r-A	56.5	43	42	70
Mission A4448X	4.4	69.7	r-A	57.1	39	13	53
Credenz CZ 3840GTLL	3.8	69.5	r-A	56.8	42	20	23
Progeny 4444RXS	4.4	69.2	s-A	54.6	40	30	87
AgriGold G4620RX	4.6	68.7	t-B	57.9	45	15	17
NuTech 39N04E	3.9	68.4	u-C	56.8	33	2	30
Credenz CZ 4240GTLL	4.2	67.4	v-C	57.6	38	10	20
Stewart 4927R2X	4.9	67.2	w-C	56.7	48	28	30
Dyna-Gro S45XS37	4.5	66.9	w-C	55.8	44	0	47
NuTech 41N03E	4.1	66.2	x-D	57.7	39	2	20
Credenz CZ 3930GTLL	3.9	66.2	x-D	56.7	42	8	53
Mission A4828X	4.8	65.7	y-D	55.8	48	40	83
Progeny 4700RXS	4.7	65.5	y-D	57.1	43	20	30
Taylor Seed T4641 ES	4.6	65.4	z-D	56.6	41	14	33
Progeny 4821RX	4.8	63.6	A-D	56.4	41	30	40
NuTech 49N03E	4.9	63.4	A-D	56.8	41	22	17
USG 7461XTS	4.6	62.9	A-D	57.4	45	33	33
Channel 3821R2X/SR	3.8	61.7	B-E	56.5	41	2	27
NuTech 45N04E	4.5	61.4	CDE	56.0	40	2	50
NuTech 46N02E	4.6	59.4	DEF	56.5	37	2	53
NuTech 48N04E	4.8	59.3	DEF	56.3	41	13	47
Credenz CZ 4410GTLL	4.4	55.4	EF	56.5	44	32	30
Credenz CZ 4539GTLL	4.5	53.5	FG	57.7	44	17	57
Progeny 4970RX	4.9	46.5	G	56.8	38	52	53
LSD P=.05		7.0		.	.	.	.
CV		6.9		.	.	.	.
Grand Mean		**73.2**		**56.9**	**42**	**11**	**31**

Planted: May 25, 2020; Harvested: November 2, 2020

†Means followed by same letter do not significantly differ (P=.05, LSD)

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height, LDG: Lodging, SDS: Sudden Death Syndrome *Fusarium virguliforme*

-SDS Ratings were taken on 9/11/2020 on a 0-100% scale where 0 equals no disease and 100 equals complete disease

Wheat Tech Agronomy

2020 Kentucky Full Season Soybean Variety Test

Early Maturity Group (3.6-4.4)

Brand/Variety	RM‡	Yield (BU/A)		TW‡ (LB/BU)	Plant HT‡ (IN)	SDS‡ (%)	LDG‡ (%)
Channel 4218R2X/SR	4.2	87.5	a†	57.7	41	3	10
AgriGold G4190RX	4.1	87.4	a	56.8	41	0	20
Stewart 4228R2X	4.2	85.7	ab	57.2	45	12	17
NuTech 43N04E	4.3	85.2	ab	56.1	39	8	37
Armor A42-D27	4.2	83.2	abc	58.6	43	0	23
AgriGold G4255RX	4.2	82.5	a-d	56.8	42	0	20
Dyna-Gro S41XS98	4.1	82.2	a-d	57.5	40	0	23
Croplan CP4150XS	4.1	81.4	a-e	56.9	40	0	20
AgriGold G4318RX	4.3	81.3	a-f	56.5	41	2	43
Stewart 4339R2X	4.3	80.0	b-g	57.0	40	10	23
Asgrow AG43X0	4.3	78.1	c-h	56.3	42	13	27
LG Seeds LGS4464RX	4.4	77.7	c-h	57.8	43	3	33
AgriGold G3620RX	3.6	77.6	c-i	57.2	39	0	10
AgriGold G3850RX	3.8	77.1	c-i	56.6	38	0	17
Stewart 3628R2X	3.6	76.0	d-j	56.7	38	0	33
USG 7447XTS	4.4	74.9	e-k	57.1	45	22	40
Progeny 4265RXS	4.2	74.8	f-k	57.0	43	33	23
AgriGold G3722RX	3.7	74.4	g-k	56.3	40	0	23
Pioneer variety P39A58X	3.9	73.5	g-l	56.9	42	3	47
NuTech 39N05E	3.9	73.5	g-l	56.5	44	12	20
LG Seeds LGS3840RX	3.8	73.2	h-l	56.1	43	3	33
Armor A44-D92	4.4	72.2	h-m	56.9	42	4	23
Pioneer variety P42A96X	4.2	72.2	h-m	56.3	41	8	13
Stewart 4029R2X	4.0	71.0	i-m	57.1	40	0	17
Asgrow AG43X7	4.3	69.8	j-m	56.5	43	42	70
Mission A4448X	4.4	69.7	j-m	57.1	39	13	53
Credenz CZ 3840GTLL	3.8	69.6	j-m	56.8	42	20	23
Progeny 4444RXS	4.4	69.2	klm	54.6	40	30	87
NuTech 39N04E	3.9	68.4	klm	56.8	33	2	30
Credenz CZ 4240GTLL	4.2	67.4	lmn	57.6	38	10	20
NuTech 41N03E	4.1	66.2	mn	57.7	39	2	20
Credenz CZ 3930GTLL	3.9	66.2	mn	56.7	42	8	53
Channel 3821R2X/SR	3.8	61.7	no	56.5	41	2	27
Credenz CZ 4410GTLL	4.4	55.4	o	56.5	44	32	30
LSD P=.05		6.6		.	.	.	.
CV		6.3		.	.	.	.
Grand Mean		**74.9**		**56.8**	**41**	**9**	**30**

Planted: May 25, 2020; Harvested: November 2, 2020

†Means followed by same letter do not significantly differ (P=.05, LSD)

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height, LDG: Lodging, SDS: Sudden Death Syndrome *Fusarium virguliforme*

-SDS Ratings were taken on 9/11/2020 on a 0-100% scale where 0 equals no disease and 100 equals complete disease

Wheat Tech Agronomy

2020 Kentucky Full Season Soybean Variety Test

Medium Maturity Group (4.5-4.7)

Brand/Variety	RM‡	Yield (BU/A)		TW‡ (LB/BU)	Plant HT‡ (IN)	SDS‡ (%)	LDG‡ (%)
Asgrow AG46X0	4.6	82.1	a†	57.7	44	0	7
Pioneer variety P46A86X	4.6	81.1	ab	58.2	46	22	23
Armor A46-D09	4.6	76.4	abc	57.7	41	5	43
Asgrow AG47X9	4.7	75.5	a-d	57.2	42	18	13
Progeny 4505RXS	4.5	75.5	a-d	57.1	46	18	60
Progeny 4620RXS	4.6	75.2	a-d	56.8	46	19	50
Mission A4618X	4.6	74.3	a-e	57.5	49	13	40
LG Seeds LGS4632RX	4.6	73.7	a-f	57.7	42	3	37
Croplan CP4520XS	4.5	73.0	b-f	56.9	44	2	27
Asgrow AG46X6	4.6	72.7	b-f	56.9	46	7	33
Pioneer variety P46A57BX	4.6	72.4	b-f	58.3	43	20	50
Mission A4689X	4.6	71.6	c-g	56.2	38	7	3
Stewart 4527R2X	4.5	71.3	c-g	57.4	41	7	27
AgriGold G4620RX	4.6	68.7	c-h	57.9	45	15	17
Dyna-Gro S45XS37	4.5	66.9	d-i	55.8	44	0	47
Progeny 4700RXS	4.7	65.5	e-i	57.1	43	20	30
Taylor Seed T4641 ES	4.6	65.4	f-i	56.6	41	14	33
USG 7461XTS	4.6	62.9	ghi	57.4	45	33	33
NuTech 45N04E	4.5	61.4	hij	56.0	40	2	50
NuTech 46N02E	4.6	59.4	ij	56.5	37	2	53
Credenz CZ 4539GTLL	4.5	53.5	j	57.7	44	17	57
LSD P=.05		8.9		.	.	.	.
CV		8.9		.	.	.	.
Grand Mean		**70.4**		**57.2**	**43**	**12**	**35**

Planted: May 25, 2020; Harvested: November 2, 2020

†Means followed by same letter do not significantly differ (P=.05, LSD)

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height, LDG: Lodging, SDS: Sudden Death Syndrome *Fusarium virguliforme*

-SDS Ratings were taken on 9/11/2020 on a 0-100% scale where 0 equals no disease and 100 equals complete disease

Wheat Tech Agronomy

2020 Kentucky Full Season Soybean Variety Test

Late Maturity Group (4.8-5.0)

Brand/Variety	RM‡	Yield (BU/A)		TW‡ (LB/BU)	Plant HT‡ (IN)	SDS‡ (%)	LDG‡ (%)
Croplan CP5010XS	5.0	85.9	a†	57.0	46	2	47
Dyna-Gro S48XT56	4.8	84.5	ab	57.3	41	0	13
LG Seeds C4845RX	4.8	83.3	ab	57.7	42	0	10
LG Seeds LGS4899RX	4.8	82.7	ab	57.1	43	2	0
Armor A48-D25	4.8	80.5	abc	56.4	43	3	13
Asgrow AG48X9	4.8	80.4	abc	57.0	44	7	3
Pioneer variety P48A60X	4.8	80.4	abc	56.9	41	8	43
Taylor Seed T4880X	4.8	78.5	bcd	57.2	40	0	13
USG 7496XTS	4.9	76.3	cde	56.9	44	12	27
Armor A49-D14	4.9	75.6	cde	57.9	39	12	33
USG 7489XT	4.8	73.7	de	56.4	41	22	20
Progeny 4816RX	4.8	72.8	def	56.2	43	22	20
Dyna-Gro S49XS76	4.9	71.8	ef	56.2	45	18	40
Dyna-Gro S48XT90	4.8	71.2	efg	58.2	39	4	30
Stewart 4927R2X	4.9	67.2	fgh	56.7	48	28	30
Mission A4828X	4.8	65.7	gh	55.8	48	40	83
Progeny 4821RX	4.8	63.6	hi	56.4	41	30	40
NuTech 49N03E	4.9	63.4	hi	56.8	41	22	17
NuTech 48N04E	4.8	59.3	i	56.3	41	13	47
Progeny 4970RX	4.9	46.2	j	56.8	38	52	53
LSD P=.05		6.0		.	.	.	.
CV		5.8		.	.	.	.
Grand Mean		**73.2**		**56.9**	**42**	**15**	**29**

Planted: May 25, 2020; Harvested: November 2, 2020

†Means followed by same letter do not significantly differ (P=.05, LSD)

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height, LDG: Lodging, SDS: Sudden Death Syndrome *Fusarium virguliforme*

-SDS Ratings were taken on 9/11/2020 on a 0-100% scale where 0 equals no disease and 100 equals complete disease

Wheat Tech Agronomy

2020 KY Double Crop (Early) Soybean Variety Fungicide Treated (T) vs Untreated (UT)

Pembroke, KY

Brand/Variety	RM‡	T Yield (BU/A)		UT Yield (BU/A)		Yield Resp. (BU/A)	T TW‡ (LB/BU)	UT TW‡ (LB/BU)	T Plant HT‡ (IN)	UT Plant HT‡ (IN)
Pioneer variety P46A57BX	4.6	80.8	a†	77.2	a†	3.6	57.2	57.3	39	40
Pioneer variety P46A86X	4.6	76.6	ab	74.2	ab	2.4	57.4	57.4	40	41
Stewart 4339R2X	4.3	76.6	ab	70.4	b-i	6.2	56.2	55.8	32	34
Dyna-Gro S48XT90	4.8	76.1	abc	70.6	b-h	5.5	55.9	56.0	34	36
Progeny 4700RXS	4.7	76.1	abc	70.9	b-g	5.2	56.8	56.5	38	39
Progeny 4505RXS	4.5	75.7	a-d	72.2	bcd	3.5	56.3	55.6	39	41
LG Seeds LGS4632RX	4.6	75.5	b-e	72.0	b-e	3.5	56.2	56.2	39	42
Armor A42-D27	4.2	75.3	b-f	73.3	abc	2.0	55.6	56.0	36	36
USG 7461XTS	4.6	75.1	b-f	72.0	b-e	3.1	55.8	56.0	39	41
Asgrow AG46X0	4.6	75.1	b-g	70.5	b-i	4.6	56.5	56.1	36	39
Progeny 4265RXS	4.2	74.9	b-g	68.4	d-n	6.5	55.5	55.3	36	35
Taylor Seed T4641 ES	4.6	74.6	b-g	70.5	b-i	4.1	56.0	55.4	37	39
Pioneer variety P48A60X	4.8	74.4	b-g	69.0	c-m	5.4	56.0	55.3	35	36
Croplan CP4520XS	4.5	74.4	b-h	69.9	b-k	4.5	55.6	55.8	41	40
Progeny 4620RXS	4.6	74.0	b-i	70.5	b-i	3.5	55.7	55.1	40	40
Armor A46-D09	4.6	74.0	b-i	72.3	bcd	1.7	56.8	56.3	39	40
AgriGold G4190RX	4.1	73.9	b-i	69.8	b-l	4.1	55.8	55.6	38	40
Dyna-Gro S41XS98	4.1	73.9	b-i	70.5	b-h	3.4	56.1	56.1	33	33
Croplan CP4150XS	4.1	73.5	b-j	68.5	c-n	5.0	56.2	55.8	34	36
NuTech 43N04E	4.3	73.2	b-k	72.4	a-d	0.8	55.6	54.8	34	34
NuTech 46N02E	4.6	73.2	b-k	68.3	d-n	4.9	54.7	55.2	31	32
Croplan CP5010XS	5.0	72.9	b-l	70.8	b-h	2.1	56.4	56.4	43	38
Armor A49-D14	4.9	72.2	b-m	70.1	b-j	2.1	56.3	55.5	34	34
Armor A48-D25	4.8	72.0	b-n	71.2	b-f	0.8	55.9	54.8	33	36
Stewart 3628R2X	3.6	72.0	b-n	68.1	d-n	3.9	54.7	54.7	33	31
USG 7447XTS	4.4	71.9	b-n	70.8	b-g	1.1	55.8	55.3	36	38
Brevant B430EE	4.3	71.8	b-n	62.7	pqr	9.1	56.0	55.9	33	32
Brevant B460EE	4.6	71.8	b-o	70.0	b-k	1.8	56.0	55.0	36	37
Asgrow AG47X9	4.7	71.8	b-o	67.5	d-p	4.3	56.1	55.9	42	39
NuTech 45N04E	4.5	71.7	b-o	69.1	c-m	2.6	55.5	56.1	36	36
Stewart 4927R2X	4.9	71.6	b-p	68.5	c-n	3.1	55.4	55.1	40	43
Progeny 4816RX	4.8	71.5	b-p	67.2	e-q	4.3	55.3	54.9	35	35
Stewart 4527R2X	4.5	71.5	b-p	68.4	c-n	3.1	56.2	56.2	37	37
AgriGold G4255RX	4.2	71.5	b-q	66.9	f-r	4.6	56.2	55.7	33	35
LG Seeds LGS4899RX	4.8	71.2	c-r	68.7	c-n	2.5	55.4	55.6	36	36
Brevant B470EE	4.7	71.1	c-r	67.5	d-p	3.6	56.7	56.2	33	33
Asgrow AG43X0	4.3	71.1	c-r	68.2	d-n	2.9	55.3	55.4	37	39
Brevant B459EE	4.5	71.1	c-r	70.9	b-g	0.2	56.2	55.8	34	35
Progeny 4970RX	4.9	70.7	d-r	67.7	d-o	3.0	55.5	55.4	36	34
Progeny 4444RXS	4.4	70.4	e-r	69.2	c-m	1.2	55.7	55.0	33	32
LG Seeds LGS4464RX	4.4	70.3	e-s	69.9	b-k	0.4	54.6	54.9	34	36
Channel 4820R2X/SR	4.8	70.2	f-s	68.2	d-n	2.0	56.0	55.8	36	39

Wheat Tech Agronomy

2020 KY DC (Early) Soybean Variety Fungicide Treated (T) vs Untreated (UT) – Con.

Pembroke, KY

Brand/Variety	RM‡	T Yield (BU/A)		UT Yield (BU/A)		Yield Resp. (BU/A)	T TW‡ (LB/BU)	UT TW‡ (LB/BU)	T Plant HT‡ (IN)	UT Plant HT‡ (IN)
Stewart 4029R2X	4.0	70.1	f-s	62.0	r	8.1	55.9	54.5	38	34
Stewart 4228R2X	4.2	69.8	g-t	69.2	c-m	0.6	55.0	55.6	37	37
LG Seeds C4845RX	4.8	69.8	g-t	68.4	d-n	1.4	55.5	55.8	34	36
Asgrow AG46X6	4.6	69.2	h-u	68.9	c-n	0.3	55.6	55.6	41	39
USG 7489XT	4.8	69.0	i-u	64.9	l-r	4.1	55.0	54.9	31	33
Asgrow AG48X9	4.8	69.0	i-u	67.0	f-q	2.0	55.8	55.1	36	38
USG 7496XTS	4.9	69.0	i-u	65.6	i-r	3.4	56.9	56.4	38	39
Brevant B420EE	4.2	69.0	i-u	64.0	n-r	5.0	55.5	55.7	36	35
AgriGold G4318RX	4.3	68.8	i-u	67.6	d-p	1.2	55.1	55.1	32	35
Dyna-Gro S49XS76	4.9	68.8	i-u	64.6	m-r	4.2	57.0	56.8	39	38
AgriGold G4620RX	4.6	68.6	j-u	66.4	f-r	2.2	56.2	56.4	42	39
Asgrow AG43X7	4.3	68.5	j-u	64.5	m-r	4.0	56.3	55.5	35	38
NuTech 48N04E	4.8	68.4	j-u	67.2	e-q	1.2	56.0	55.8	34	34
Dyna-Gro S45XS37	4.5	68.4	j-u	64.6	m-r	3.8	57.2	56.4	39	39
Armor A44-D92	4.4	68.1	k-u	62.0	r	6.1	55.8	55.7	31	35
Dyna-Gro S48XT56	4.8	68.1	k-u	65.3	j-r	2.8	56.1	56.0	32	33
Croplan CP4810XS	4.8	67.8	l-u	64.9	l-r	2.9	56.4	56.4	35	40
NuTech 41N03E	4.1	67.8	l-u	64.7	m-r	3.1	55.3	55.6	32	32
Progeny 4821RX	4.8	67.2	m-u	64.9	l-r	2.3	55.0	55.0	36	38
Mission A4448X	4.4	67.0	n-u	66.8	f-r	0.2	55.8	55.6	35	35
Brevant B400EE	4.0	66.6	o-u	66.2	g-r	0.4	54.6	54.3	32	27
Taylor Seed T4880X	4.8	66.5	p-u	64.6	m-r	1.9	55.9	55.7	33	35
Pioneer variety P42A96X	4.2	66.3	q-u	64.9	l-r	1.4	54.8	55.3	33	33
Brevant B419EE	4.1	66.1	r-u	65.9	h-r	0.2	55.9	56.0	31	33
Channel 4519R2X/SR	4.5	65.1	stu	68.5	c-n	-3.4	55.7	55.5	39	40
Brevant B390EE	3.9	65.1	stu	63.0	o-r	2.1	54.5	54.4	31	25
AgriGold G3722RX	3.7	64.9	tu	62.4	qr	2.5	55.1	55.1	35	37
NuTech 49N03E	4.9	64.5	u	65.2	k-r	-0.7	55.6	55.1	33	34
LSD P=.05		5.2		4.9		.	.	.	.	.
CV		5.3		5.2		.	.	.	.	.
Grand Mean		**71.1**		**68.1**		**2.9**	**55.8**	**55.6**	**36**	**36**

Planted: June 18, 2020; Harvested: November 5, 2020

†Means followed by same letter do not significantly differ (P=.05, LSD)

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

-Treated replications were sprayed on 8/25/2020.

Wheat Tech Agronomy

2020 KY Double Crop (Late) Soybean Variety Test

Franklin, KY

Brand/Variety	RM‡	Yield (BU/A)		TW‡ (LB/BU)	Plant HT‡ (IN)
Pioneer variety P46A57BX	4.6	77.5	a†	56.6	39
LG Seeds LGS4899RX	4.8	77.3	ab	55.4	36
USG 7447XTS	4.4	77.2	ab	56.0	37
NuTech 43N04E	4.3	76.8	abc	54.3	34
Asgrow AG46X0	4.6	75.7	a-d	55.8	37
Croplan CP5010XS	5.0	75.5	a-e	57.1	38
AgriGold G4190RX	4.1	74.4	a-f	55.9	35
Pioneer variety P46A86X	4.6	74.0	a-g	57.1	38
Mission A4618X	4.6	74.0	a-g	55.2	43
Stewart 4927R2X	4.9	73.7	a-h	56.2	39
Stewart 4228R2X	4.2	72.7	b-i	55.3	36
LG Seeds C4845RX	4.8	72.7	b-j	55.8	35
Progeny 4970RX	4.9	72.6	b-j	55.6	33
Progeny 4505RXS	4.5	72.4	c-j	55.8	37
Croplan CP4520XS	4.5	72.0	d-k	55.4	38
Asgrow AG47X9	4.7	71.9	d-k	56.1	37
Taylor Seed T4641 ES	4.6	71.8	d-l	56.1	33
Progeny 4444RXS	4.4	71.3	d-l	56.0	34
Armor A46-D09	4.6	71.3	d-l	56.3	36
Asgrow AG48X9	4.8	71.2	d-m	55.7	36
Dyna-Gro S48XT90	4.8	71.2	d-m	56.3	35
Stewart 4339R2X	4.3	71.1	d-m	55.7	32
AgriGold G4255RX	4.2	71.1	d-m	55.7	36
Stewart 4527R2X	4.5	71.1	d-m	56.3	34
Pioneer variety P48A60X	4.8	70.8	e-m	55.2	35
Dyna-Gro S41XS98	4.1	70.7	f-m	55.9	35
Armor A49-D14	4.9	70.7	f-m	56.1	34
USG 7461XTS	4.6	70.2	f-n	56.2	36
Asgrow AG43X0	4.3	70.1	f-n	55.0	35
Channel 4519R2X/SR	4.5	69.9	f-n	56.0	36
Armor A42-D27	4.2	69.9	f-n	55.9	37
AgriGold G4620RX	4.6	69.8	f-n	56.3	38
Dyna-Gro S48XT56	4.8	69.7	f-o	55.5	34
Mission A4828X	4.8	69.7	f-p	56.6	40
Progeny 4816RX	4.8	69.5	g-p	55.3	35
Brevant B470EE	4.7	69.1	h-q	56.5	31
Progeny 4700RXS	4.7	68.9	i-r	56.2	36
LG Seeds LGS4632RX	4.6	68.5	i-s	55.7	35
Armor A48-D25	4.8	68.2	i-t	55.6	34
AgriGold G4318RX	4.3	68.0	i-u	54.8	34
NuTech 48N04E	4.8	68.0	j-v	56.7	33
Progeny 4821RX	4.8	67.7	k-w	55.3	36
Croplan CP4150XS	4.1	67.6	k-w	56.1	37

Wheat Tech Agronomy

2020 KY Double Crop (Late) Soybean Variety Test - Con.

Franklin, KY

Brand/Variety	RM‡	Yield (BU/A)		TW‡ (LB/BU)	Plant HT‡ (IN)
Asgrow AG43X7	4.3	67.5	k-w	56.3	40
Mission A4448X	4.4	67.5	k-w	56.3	33
Channel 4820R2X/SR	4.8	67.4	k-x	55.4	35
Dyna-Gro S49XS76	4.9	67.2	l-x	57.4	38
Croplan CP4810XS	4.8	67.1	l-x	56.0	38
Brevant B400EE	4.0	66.6	m-x	53.4	29
USG 7489XT	4.8	65.9	n-y	55.2	34
Taylor Seed T4880X	4.8	65.8	n-y	55.9	33
NuTech 49N03E	4.9	65.7	n-y	55.4	33
Pioneer variety P42A96X	4.2	65.7	n-y	55.3	34
Progeny 4265RXS	4.2	65.0	o-z	55.4	33
USG 7496XTS	4.9	65.0	p-z	57.2	37
LG Seeds LGS4464RX	4.4	64.7	q-z	55.1	35
AgriGold G3722RX	3.7	64.4	r-z	55.0	36
Brevant B419EE	4.1	64.2	r-z	56.2	34
Brevant B420EE	4.2	64.0	s-z	55.7	33
NuTech 45N04E	4.5	63.5	t-z	55.2	34
Brevant B459EE	4.5	63.5	u-z	55.8	33
Asgrow AG46X6	4.6	63.4	u-z	56.2	36
Armor A44-D92	4.4	63.4	u-z	56.6	36
Dyna-Gro S45XS37	4.5	63.3	v-z	55.9	37
NuTech 46N02E	4.6	63.0	w-z	55.1	31
Progeny 4620RXS	4.6	62.7	x-A	55.9	38
Brevant B390EE	3.9	61.8	yzA	55.0	26
Stewart 4029R2X	4.0	61.7	yzA	54.7	31
Stewart 3628R2X	3.6	61.5	yzA	55.2	29
NuTech 41N03E	4.1	61.4	yzA	55.9	33
Brevant B460EE	4.6	60.8	zA	55.6	33
Brevant B430EE	4.3	58.1	A	55.6	33
LSD P=.05		4.7		.	.
CV		5.0		.	.
Grand Mean		**68.6**		**55.8**	**35**

Planted: June 25, 2020; Harvested: November 7, 2020

†Means followed by same letter do not significantly differ (P=.05, LSD)

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

Wheat Tech Agronomy

2020 KY DC Two Location Average Soybean Variety Test

Pembroke, KY and Franklin, KY

Brand/Variety	RM‡	Yield (BU/A)	TW‡ (LB/BU)	Plant HT‡ (IN)
Pioneer variety P46A57BX	4.6	77.4	57.0	40
NuTech 43N04E	4.3	74.6	54.6	34
Pioneer variety P46A86X	4.6	74.1	57.3	40
USG 7447XTS	4.4	74.0	55.7	38
Croplan CP5010XS	5.0	73.2	56.8	38
Asgrow AG46X0	4.6	73.1	56.0	38
LG Seeds LGS4899RX	4.8	73.0	55.5	36
Progeny 4505RXS	4.5	72.3	55.7	39
AgriGold G4190RX	4.1	72.1	55.8	38
Armor A46-D09	4.6	71.8	56.3	38
Armor A42-D27	4.2	71.6	56.0	37
Taylor Seed T4641 ES	4.6	71.2	55.8	36
USG 7461XTS	4.6	71.1	56.1	39
Stewart 4927R2X	4.9	71.1	55.7	41
Stewart 4228R2X	4.2	71.0	55.5	37
Croplan CP4520XS	4.5	71.0	55.6	39
Dyna-Gro S48XT90	4.8	70.9	56.2	36
Stewart 4339R2X	4.3	70.8	55.8	33
Dyna-Gro S41XS98	4.1	70.6	56.0	34
LG Seeds C4845RX	4.8	70.6	55.8	36
Armor A49-D14	4.9	70.4	55.8	34
Progeny 4444RXS	4.4	70.3	55.5	33
LG Seeds LGS4632RX	4.6	70.3	56.0	39
Progeny 4970RX	4.9	70.2	55.5	34
Progeny 4700RXS	4.7	69.9	56.4	38
Pioneer variety P48A60X	4.8	69.9	55.3	36
Stewart 4527R2X	4.5	69.8	56.3	36
Asgrow AG47X9	4.7	69.7	56.0	38
Armor A48-D25	4.8	69.7	55.2	35
Channel 4519R2X/SR	4.5	69.2	55.8	38
Asgrow AG43X0	4.3	69.2	55.2	37
Asgrow AG48X9	4.8	69.1	55.4	37
AgriGold G4255RX	4.2	69.0	55.7	36
Progeny 4816RX	4.8	68.4	55.1	35
Brevant B470EE	4.7	68.3	56.4	32
AgriGold G4620RX	4.6	68.1	56.4	39
Croplan CP4150XS	4.1	68.1	56.0	37
Channel 4820R2X/SR	4.8	67.8	55.6	37
AgriGold G4318RX	4.3	67.8	55.0	35
NuTech 48N04E	4.8	67.6	56.3	34
Dyna-Gro S48XT56	4.8	67.5	55.8	34
LG Seeds LGS4464RX	4.4	67.3	55.0	36
Brevant B459EE	4.5	67.2	55.8	34

Wheat Tech Agronomy

2020 KY DC Two Location Average Soybean Variety Test - Con.

Pembroke, KY and Franklin, KY

Brand/Variety	RM‡	Yield (BU/A)	TW‡ (LB/BU)	Plant HT‡ (IN)
Mission A4448X	4.4	67.2	56.0	34
Progeny 4265RXS	4.2	66.7	55.4	34
Progeny 4620RXS	4.6	66.6	55.5	39
Brevant B400EE	4.0	66.4	53.9	28
Progeny 4821RX	4.8	66.3	55.2	37
NuTech 45N04E	4.5	66.3	55.7	35
Asgrow AG46X6	4.6	66.2	55.9	38
Asgrow AG43X7	4.3	66.0	55.9	39
Croplan CP4810XS	4.8	66.0	56.2	39
Dyna-Gro S49XS76	4.9	65.9	57.1	38
NuTech 46N02E	4.6	65.7	55.2	32
NuTech 49N03E	4.9	65.5	55.3	34
Brevant B460EE	4.6	65.4	55.3	35
USG 7489XT	4.8	65.4	55.1	34
Pioneer variety P42A96X	4.2	65.3	55.3	34
USG 7496XTS	4.9	65.3	56.8	38
Taylor Seed T4880X	4.8	65.2	55.8	34
Brevant B419EE	4.1	65.1	56.1	34
Stewart 3628R2X	3.6	64.8	55.0	30
Brevant B420EE	4.2	64.0	55.7	34
Dyna-Gro S45XS37	4.5	64.0	56.2	38
AgriGold G3722RX	3.7	63.4	55.1	37
NuTech 41N03E	4.1	63.1	55.8	33
Armor A44-D92	4.4	62.7	56.2	36
Brevant B390EE	3.9	62.4	54.7	26
Stewart 4029R2X	4.0	61.9	54.6	33
Brevant B430EE	4.3	60.4	55.8	33
Grand Mean		**68.3**	**55.7**	**36**

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

-Averages were made using the untreated replications at the KYDCE plot

Wheat Tech Agronomy

2020 KY DC Two Location Average Soybean Variety Test

Early Maturity Group (3.6-4.4)

Brand/Variety	RM‡	Yield (BU/A)	TW‡ (LB/BU)	Plant HT‡ (IN)
NuTech 43N04E	4.3	74.6	54.6	34
USG 7447XTS	4.4	74.0	55.7	38
AgriGold G4190RX	4.1	72.1	55.8	38
Armor A42-D27	4.2	71.6	56.0	37
Stewart 4228R2X	4.2	71.0	55.5	37
Stewart 4339R2X	4.3	70.8	55.8	33
Dyna-Gro S41XS98	4.1	70.6	56.0	34
Progeny 4444RXS	4.4	70.3	55.5	33
Asgrow AG43X0	4.3	69.2	55.2	37
AgriGold G4255RX	4.2	69.0	55.7	36
Croplan CP4150XS	4.1	68.1	56.0	37
AgriGold G4318RX	4.3	67.8	55.0	35
LG Seeds LGS4464RX	4.4	67.3	55.0	36
Mission A4448X	4.4	67.2	56.0	34
Progeny 4265RXS	4.2	66.7	55.4	34
Brevant B400EE	4.0	66.4	53.9	28
Asgrow AG43X7	4.3	66.0	55.9	39
Pioneer variety P42A96X	4.2	65.3	55.3	34
Brevant B419EE	4.1	65.1	56.1	34
Stewart 3628R2X	3.6	64.8	55.0	30
Brevant B420EE	4.2	64.0	55.7	34
AgriGold G3722RX	3.7	63.4	55.1	37
NuTech 41N03E	4.1	63.1	55.8	33
Armor A44-D92	4.4	62.7	56.2	36
Brevant B390EE	3.9	62.4	54.7	26
Stewart 4029R2X	4.0	61.9	54.6	33
Brevant B430EE	4.3	60.4	55.8	33
Grand Mean		**67.2**	**55.4**	**34**

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

Wheat Tech Agronomy

2020 KY DC Two Location Average Soybean Variety Test

Medium Maturity Group (4.5-4.7)

Brand/Variety	RM‡	Yield (BU/A)	TW‡ (LB/BU)	Plant HT‡ (IN)
Pioneer variety P46A57BX	4.6	77.4	57.0	40
Pioneer variety P46A86X	4.6	74.1	57.3	40
Asgrow AG46X0	4.6	73.1	56.0	38
Progeny 4505RXS	4.5	72.3	55.7	39
Armor A46-D09	4.6	71.8	56.3	38
Taylor Seed T4641 ES	4.6	71.2	55.8	36
USG 7461XTS	4.6	71.1	56.1	39
Croplan CP4520XS	4.5	71.0	55.6	39
LG Seeds LGS4632RX	4.6	70.3	56.0	39
Progeny 4700RXS	4.7	69.9	56.4	38
Stewart 4527R2X	4.5	69.8	56.3	36
Asgrow AG47X9	4.7	69.7	56.0	38
Channel 4519R2X/SR	4.5	69.2	55.8	38
Brevant B470EE	4.7	68.3	56.4	32
AgriGold G4620RX	4.6	68.1	56.4	39
Brevant B459EE	4.5	67.2	55.8	34
Progeny 4620RXS	4.6	66.6	55.5	39
NuTech 45N04E	4.5	66.3	55.7	35
Asgrow AG46X6	4.6	66.2	55.9	38
NuTech 46N02E	4.6	65.7	55.2	32
Brevant B460EE	4.6	65.4	55.3	35
Dyna-Gro S45XS37	4.5	64.0	56.2	38
Grand Mean		**69.5**	**56.0**	**37**

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

Wheat Tech Agronomy

2020 KY DC Two Location Average Soybean Variety Test

Late Maturity Group (4.8-5.0)

Brand/Variety	RM‡	Yield (BU/A)	TW‡ (LB/BU)	Plant HT‡ (IN)
Croplan CP5010XS	5.0	73.2	56.8	38
LG Seeds LGS4899RX	4.8	73.0	55.5	36
Stewart 4927R2X	4.9	71.1	55.7	41
Dyna-Gro S48XT90	4.8	70.9	56.2	36
LG Seeds C4845RX	4.8	70.6	55.8	36
Armor A49-D14	4.9	70.4	55.8	34
Progeny 4970RX	4.9	70.2	55.5	34
Pioneer variety P48A60X	4.8	69.9	55.3	36
Armor A48-D25	4.8	69.7	55.2	35
Asgrow AG48X9	4.8	69.1	55.4	37
Progeny 4816RX	4.8	68.4	55.1	35
Channel 4820R2X/SR	4.8	67.8	55.6	37
NuTech 48N04E	4.8	67.6	56.3	34
Dyna-Gro S48XT56	4.8	67.5	55.8	34
Progeny 4821RX	4.8	66.3	55.2	37
Croplan CP4810XS	4.8	66.0	56.2	39
Dyna-Gro S49XS76	4.9	65.9	57.1	38
NuTech 49N03E	4.9	65.5	55.3	34
USG 7489XT	4.8	65.4	55.1	34
USG 7496XTS	4.9	65.3	56.8	38
Taylor Seed T4880X	4.8	65.2	55.8	34
Grand Mean		**68.5**	**55.8**	**36**

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

Wheat Tech Agronomy

2020 Kentucky Three Location Average Soybean Variety Test

Hodgenville, KY, Pembroke, KY, & Franklin, KY

Brand/Variety	RM‡	Yield (BU/A)	TW‡ (LB/BU)	Plant HT‡ (IN)	SDS‡ (%)	LDG‡ (%)
NuTech 43N04E	4.3	78.1	55.1	36	8	37
Croplan CP5010XS	5.0	77.4	56.8	41	2	47
AgriGold G4190RX	4.1	77.2	56.1	39	0	20
Pioneer variety P46A86X	4.6	76.6	57.6	42	22	23
LG Seeds LGS4899RX	4.8	76.2	56.0	38	2	0
Asgrow AG46X0	4.6	76.1	56.5	40	0	7
Stewart 4228R2X	4.2	75.9	56.0	39	12	17
Pioneer variety P46A57BX	4.6	75.7	57.4	41	20	50
Armor A42-D27	4.2	75.5	56.8	39	0	23
LG Seeds C4845RX	4.8	74.8	56.4	38	0	10
Dyna-Gro S41XS98	4.1	74.5	56.5	36	0	23
USG 7447XTS	4.4	74.3	56.1	40	22	40
Stewart 4339R2X	4.3	73.8	56.2	35	10	23
AgriGold G4255RX	4.2	73.5	56.1	38	0	20
Pioneer variety P48A60X	4.8	73.4	55.8	37	8	43
Progeny 4505RXS	4.5	73.4	56.2	41	18	60
Armor A46-D09	4.6	73.3	56.8	39	5	43
Armor A48-D25	4.8	73.3	55.6	38	3	13
Dyna-Gro S48XT56	4.8	73.2	56.3	36	0	13
Asgrow AG48X9	4.8	72.9	55.9	39	7	3
Croplan CP4150XS	4.1	72.5	56.3	38	0	20
AgriGold G4318RX	4.3	72.3	55.5	37	2	43
Asgrow AG43X0	4.3	72.1	55.6	39	13	27
Armor A49-D14	4.9	72.1	56.5	36	12	33
Croplan CP4520XS	4.5	71.6	56.0	41	2	27
Asgrow AG47X9	4.7	71.6	56.4	39	18	13
LG Seeds LGS4632RX	4.6	71.4	56.5	40	3	37
Dyna-Gro S48XT90	4.8	71.0	56.8	37	4	30
LG Seeds LGS4464RX	4.4	70.8	55.9	38	3	33
Stewart 4527R2X	4.5	70.3	56.6	37	7	27
Progeny 4444RXS	4.4	69.9	55.2	35	30	87
Progeny 4816RX	4.8	69.8	55.5	38	22	20
Stewart 4927R2X	4.9	69.8	56.0	43	28	30
Taylor Seed T4880X	4.8	69.6	56.3	36	0	13
Progeny 4620RXS	4.6	69.4	55.9	41	19	50
Progeny 4265RXS	4.2	69.3	55.9	37	33	23
Taylor Seed T4641 ES	4.6	69.2	56.0	38	14	33
USG 7496XTS	4.9	69.0	56.8	40	12	27
Stewart 3628R2X	3.6	68.5	55.5	33	0	33
Progeny 4700RXS	4.7	68.4	56.6	39	20	30
USG 7461XTS	4.6	68.4	56.5	41	33	33
Asgrow AG46X6	4.6	68.3	56.2	40	7	33
AgriGold G4620RX	4.6	68.3	56.9	41	15	17

2020 Kentucky Three Location Average Soybean Variety Test - Con.

Hodgenville, KY, Pembroke, KY, & Franklin, KY

Brand/Variety	RM‡	Yield (BU/A)	TW‡ (LB/BU)	Plant HT‡ (IN)	SDS‡ (%)	LDG‡ (%)
USG 7489XT	4.8	68.2	55.5	36	22	20
Mission A4448X	4.4	68.0	56.3	36	13	53
Dyna-Gro S49XS76	4.9	67.9	56.8	40	18	40
Pioneer variety P42A96X	4.2	67.6	55.6	36	8	13
Asgrow AG43X7	4.3	67.3	56.1	40	42	70
AgriGold G3722RX	3.7	67.1	55.5	38	0	23
Armor A44-D92	4.4	65.9	56.4	38	4	23
Progeny 4821RX	4.8	65.4	55.6	38	30	40
Dyna-Gro S45XS37	4.5	64.9	56.0	40	0	47
Stewart 4029R2X	4.0	64.9	55.4	35	0	17
NuTech 48N04E	4.8	64.8	56.3	36	13	47
NuTech 49N03E	4.9	64.8	55.8	36	22	17
NuTech 45N04E	4.5	64.7	55.8	37	2	50
NuTech 41N03E	4.1	64.1	56.4	35	2	20
NuTech 46N02E	4.6	63.6	55.6	33	2	53
Progeny 4970RX	4.9	62.3	55.9	35	52	53
Grand Mean		**70.6**	**56.1**	**38**	**11**	**31**

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height, LDG: Lodging, SDS: Sudden Death Syndrome *Fusarium virguliforme*

-SDS Ratings were taken on 9/11/2020 on a 0-100% scale where 0 equals no disease and 100 equals complete disease and were taken from only the KYFS location

Wheat Tech Agronomy

2020 Kentucky Three Location Average Soybean Variety Test

Early Maturity Group (3.6-4.4)

Brand/Variety	RM‡	Yield (BU/A)	TW‡ (LB/BU)	Plant HT‡ (IN)	SDS‡ (%)	LDG‡ (%)
NuTech 43N04E	4.3	78.1	55.1	36	8	37
AgriGold G4190RX	4.1	77.2	56.1	39	0	20
Stewart 4228R2X	4.2	75.9	56.0	39	12	17
Armor A42-D27	4.2	75.5	56.8	39	0	23
Dyna-Gro S41XS98	4.1	74.5	56.5	36	0	23
USG 7447XTS	4.4	74.3	56.1	40	22	40
Stewart 4339R2X	4.3	73.8	56.2	35	10	23
AgriGold G4255RX	4.2	73.5	56.1	38	0	20
Croplan CP4150XS	4.1	72.5	56.3	38	0	20
AgriGold G4318RX	4.3	72.3	55.5	37	2	43
Asgrow AG43X0	4.3	72.1	55.6	39	13	27
LG Seeds LGS4464RX	4.4	70.8	55.9	38	3	33
Progeny 4444RXS	4.4	69.9	55.2	35	30	87
Progeny 4265RXS	4.2	69.3	55.9	37	33	23
Stewart 3628R2X	3.6	68.5	55.5	33	0	33
Mission A4448X	4.4	68.0	56.3	36	13	53
Pioneer variety P42A96X	4.2	67.6	55.6	36	8	13
Asgrow AG43X7	4.3	67.3	56.1	40	42	70
AgriGold G3722RX	3.7	67.1	55.5	38	0	23
Armor A44-D92	4.4	65.9	56.4	38	4	23
Stewart 4029R2X	4.0	64.9	55.4	35	0	17
NuTech 41N03E	4.1	64.1	56.4	35	2	20
Grand Mean		**71.0**	**55.9**	**37**	**9**	**31**

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height, LDG: Lodging, SDS: Sudden Death Syndrome *Fusarium virguliforme*

-SDS Ratings were taken on 9/11/2020 on a 0-100% scale where 0 equals no disease and 100 equals complete disease and were taken from only the KYFS location

Wheat Tech Agronomy

2020 Kentucky Three Location Average Soybean Variety Test

Medium Maturity Group (4.5-4.7)

Brand/Variety	RM‡	Yield (BU/A)	TW‡ (LB/BU)	Plant HT‡ (IN)	SDS‡ (%)	LDG‡ (%)
Pioneer variety P46A86X	4.6	76.6	57.6	42	22	23
Asgrow AG46X0	4.6	76.1	56.5	40	0	7
Pioneer variety P46A57BX	4.6	75.7	57.4	41	20	50
Progeny 4505RXS	4.5	73.4	56.2	41	18	60
Armor A46-D09	4.6	73.3	56.8	39	5	43
Croplan CP4520XS	4.5	71.6	56.0	41	2	27
Asgrow AG47X9	4.7	71.6	56.4	39	18	13
LG Seeds LGS4632RX	4.6	71.4	56.5	40	3	37
Stewart 4527R2X	4.5	70.3	56.6	37	7	27
Progeny 4620RXS	4.6	69.4	55.9	41	19	50
Taylor Seed T4641 ES	4.6	69.2	56.0	38	14	33
Progeny 4700RXS	4.7	68.4	56.6	39	20	30
USG 7461XTS	4.6	68.4	56.5	41	33	33
Asgrow AG46X6	4.6	68.3	56.2	40	7	33
AgriGold G4620RX	4.6	68.3	56.9	41	15	17
Dyna-Gro S45XS37	4.5	64.9	56.0	40	0	47
NuTech 45N04E	4.5	64.7	55.8	37	2	50
NuTech 46N02E	4.6	63.6	55.6	33	2	53
Grand Mean		**70.3**	**56.4**	**39**	**12**	**35**

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height, LDG: Lodging, SDS: Sudden Death Syndrome *Fusarium virguliforme*

-SDS Ratings were taken on 9/11/2020 on a 0-100% scale where 0 equals no disease and 100 equals complete disease and were taken from only the KYFS location

Wheat Tech Agronomy

2020 Kentucky Three Location Average Soybean Variety Test

Late Maturity Group (4.8-5.0)

Brand/Variety	RM‡	Yield (BU/A)	TW‡ (LB/BU)	Plant HT‡ (IN)	SDS‡ (%)	LDG‡ (%)
Croplan CP5010XS	5.0	77.4	56.8	41	2	47
LG Seeds LGS4899RX	4.8	76.2	56.0	38	2	0
LG Seeds C4845RX	4.8	74.8	56.4	38	0	10
Pioneer variety P48A60X	4.8	73.4	55.8	37	8	43
Armor A48-D25	4.8	73.3	55.6	38	3	13
Dyna-Gro S48XT56	4.8	73.2	56.3	36	0	13
Asgrow AG48X9	4.8	72.9	55.9	39	7	3
Armor A49-D14	4.9	72.1	56.5	36	12	33
Dyna-Gro S48XT90	4.8	71.0	56.8	37	4	30
Progeny 4816RX	4.8	69.8	55.5	38	22	20
Stewart 4927R2X	4.9	69.8	56.0	43	28	30
Taylor Seed T4880X	4.8	69.6	56.3	36	0	13
USG 7496XTS	4.9	69.0	56.8	40	12	27
USG 7489XT	4.8	68.2	55.5	36	22	20
Dyna-Gro S49XS76	4.9	67.9	56.8	40	18	40
Progeny 4821RX	4.8	65.4	55.6	38	30	40
NuTech 48N04E	4.8	64.8	56.3	36	13	47
NuTech 49N03E	4.9	64.8	55.8	36	22	17
Progeny 4970RX	4.9	62.3	55.9	35	52	53
Grand Mean		**70.3**	**56.1**	**38**	**14**	**26**

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height, LDG: Lodging, SDS: Sudden Death Syndrome *Fusarium virguliforme*

-SDS Ratings were taken on 9/11/2020 on a 0-100% scale where 0 equals no disease and 100 equals complete disease and were taken from only the KYFS location

Wheat Tech Agronomy

2020 Missouri Double Crop Soybean Variety Test

Charleston, MO

Brand/Variety	RM‡	Yield (BU/A)		TW‡ (LB/BU)	Plant HT‡ (IN)
Dyna-Gro S48XT90	4.8	67.1	a†	56.5	32
LG Seeds LGS4899RX	4.8	63.9	ab	55.3	30
LG Seeds C4845RX	4.8	61.4	abc	55.9	30
Progeny 4970RX	4.9	60.4	bcd	55.9	32
Dyna-Gro S48XT56	4.8	58.6	b-e	55.7	30
Progeny 4816RX	4.8	58.2	b-f	55.9	29
USG 7447XTS	4.4	56.7	c-g	55.8	28
Taylor Seed T4641 ES	4.6	56.4	c-h	56.1	28
Progeny 4821RX	4.8	55.9	c-i	55.0	29
AgriGold G4190RX	4.1	55.8	c-i	56.4	29
Progeny 4505RXS	4.5	55.5	c-i	56.2	31
Dyna-Gro S49XS76	4.9	55.5	c-i	57.1	33
AgriGold G4620RX	4.6	54.8	d-j	56.6	30
LG Seeds LGS4464RX	4.4	54.0	e-j	55.4	29
Progeny 4700RXS	4.7	53.7	e-j	56.3	28
AgriGold G3722RX	3.7	53.6	e-j	54.8	30
USG 7489XT	4.8	53.0	e-j	55.7	23
AgriGold G4255RX	4.2	52.1	f-j	55.1	29
USG 7461XTS	4.6	52.0	g-j	55.8	28
Progeny 4620RXS	4.6	51.8	g-j	56.3	33
USG 7496XTS	4.9	51.5	g-j	56.7	34
Dyna-Gro S41XS98	4.1	51.1	g-j	56.0	26
Taylor Seed T4880X	4.8	51.0	g-j	55.4	27
Progeny 4444RXS	4.4	50.4	hij	55.4	29
Dyna-Gro S45XS37	4.5	50.2	ij	55.8	30
LG Seeds LGS4632RX	4.6	50.0	ij	56.1	28
Progeny 4265RXS	4.2	48.7	jk	55.9	30
AgriGold G4318RX	4.3	43.7	k	54.9	25
LSD P=.05		6.1		.	.
CV		8.0		.	.
Grand Mean		**54.5**		**55.9**	**29**

Planted: June 19, 2020; Harvested: November 4, 2020

†Means followed by same letter do not significantly differ (P=.05, LSD)

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

Wheat Tech Agronomy

2020 Missouri Double Crop Soybean Variety Test

Early Maturity Group (3.7-4.4)

Brand/Variety	RM‡	Yield (BU/A)		TW‡ (LB/BU)	Plant HT‡ (IN)
USG 7447XTS	4.4	56.7	a†	55.8	28
AgriGold G4190RX	4.1	55.8	a	56.4	29
LG Seeds LGS4464RX	4.4	54.0	ab	55.4	29
AgriGold G3722RX	3.7	53.6	ab	54.8	30
AgriGold G4255RX	4.2	52.1	ab	55.1	29
Dyna-Gro S41XS98	4.1	51.1	ab	56.0	26
Progeny 4444RXS	4.4	50.4	abc	55.4	29
Progeny 4265RXS	4.2	48.7	bc	55.9	30
AgriGold G4318RX	4.3	43.7	c	54.9	25
LSD P=.05		6.9		.	.
CV		9.0		.	.
Grand Mean		**51.8**		**55.5**	**29**

Planted: June 19, 2020; Harvested: November 4, 2020

†Means followed by same letter do not significantly differ (P=.05, LSD)

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

2020 Missouri Double Crop Soybean Variety Test

Medium Maturity Group (4.5-4.7)

Brand/Variety	RM‡	Yield (BU/A)		TW‡ (LB/BU)	Plant HT‡ (IN)
Taylor Seed T4641 ES	4.6	56.4	a†	56.1	28
Progeny 4505RXS	4.5	55.5	ab	56.2	31
AgriGold G4620RX	4.6	54.8	ab	56.6	30
Progeny 4700RXS	4.7	53.7	abc	56.3	28
Progeny 4620RXS	4.6	51.8	bcd	56.3	33
LG Seeds LGS4632RX	4.6	50.0	cd	56.1	28
USG 7461XTS	4.6	49.8	cd	55.9	28
Dyna-Gro S45XS37	4.5	48.0	d	55.9	30
LSD P=.05		4.4		.	.
CV		5.6		.	.
Grand Mean		**52.5**		**56.2**	**30**

Planted: June 19, 2020; Harvested: November 4, 2020

†Means followed by same letter do not significantly differ (P=.05, LSD)

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

Wheat Tech Agronomy

2020 Missouri Double Crop Soybean Variety Test

Late Maturity Group (4.8-4.9)

Brand/Variety	RM‡	Yield (BU/A)		TW‡ (LB/BU)	Plant HT‡ (IN)
Dyna-Gro S48XT90	4.8	67.1	a†	56.5	32
LG Seeds LGS4899RX	4.8	63.9	ab	55.3	30
LG Seeds C4845RX	4.8	61.4	bc	55.9	30
Progeny 4970RX	4.9	60.4	bcd	55.9	32
Dyna-Gro S48XT56	4.8	58.6	bcd	55.7	30
Progeny 4816RX	4.8	58.2	cde	55.9	29
Progeny 4821RX	4.8	55.6	def	55.0	29
Dyna-Gro S49XS76	4.9	55.1	def	57.1	33
USG 7489XT	4.8	53.0	ef	55.7	23
USG 7496XTS	4.9	51.5	f	56.7	34
Taylor Seed T4880X	4.8	50.6	f	55.4	27
LSD P=.05		5.4		.	.
CV		6.5		.	.
Grand Mean		**57.8**		**55.9**	**30**

Planted: June 19, 2020; Harvested: November 4, 2020

†Means followed by same letter do not significantly differ (P=.05, LSD)

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

Wheat Tech Agronomy
2020 Soybean Variety Characteristics

Soybean Variety Name	Maturity	Soybean Cyst Nematode Resistance	Sudden Death Syndrome	Herb Toler
AgriGold G3620RX	3.6	PI 88.788	n/a	RR2X
AgriGold G3722RX	3.7	R3,PI 88.788/MR14	R	RR2X
AgriGold G3850RX	3.8	R3,PI 88.788/MR14	R	RR2X
AgriGold G4190RX	4.1	R3,PI 88.788/MR14	R	RR2X
AgriGold G4255RX	4.2	PI 88.788	MR	RR2X
AgriGold G4318RX	4.3	PI 88.788	MR	RR2X
AgriGold G4620RX	4.6	PI 88.788	MR	RR2X
AgriGold G4815RX	4.8	PI 88.788	MR	RR2X
Armor A42-D27	4.2	R3,MR14	MR	RR2X
Armor A44-D92	4.4	R3,MR14	MR	RR2X
Armor A46-D09	4.6	R3,MR14	R	RR2X
Armor A48-D25	4.8	R3,MR14	MR	RR2X
Armor A49-D14	4.9	n/a	MR	RR2X
Asgrow AG43X0	4.3	PI88788	MR	RR2X/SR
Asgrow AG43X7	4.3	PI88788	S	RR2X/SR
Asgrow AG46X0	4.6	PI88788	R	RR2X/SR
Asgrow AG46X6	4.6	PI88788	S	RR2X
Asgrow AG47X9	4.7	PI88788	MR	RR2X
Asgrow AG48X9	4.8	PI88788	R	RR2X/SR
Brevant B389EE	3.8	PI88788	MR	ENL/RR2/LL
Brevant B390EE	3.9	PI88788	MR	ENL/RR2/LL
Brevant B400EE	4.0	PI88788	R	ENL/RR2/LL
Brevant B419EE	4.1	PI88788	R	ENL/RR2/LL
Brevant B420EE	4.2	PI88788	MR	ENL/RR2/LL
Brevant B430EE	4.3	PI88788	MR	ENL/RR2/LL
Brevant B459EE	4.5	PI88788	MR	ENL/RR2/LL
Brevant B460EE	4.6	PI88788	MR	ENL/RR2/LL
Brevant B470EE	4.7	PI88788	MR	ENL/RR2/LL
Channel 3718R2X	3.7	PI88788	MR	RR2X
Channel 3821R2X/SR	3.8	R	R	RR, Dicamba
Channel 4218R2X/SR	4.2	R	R	RR, Dicamba
Channel 4519R2X/SR	4.5	R	MR	RR, Dicamba
Channel 4820R2X/SR	4.8	R	R	RR, Dicamba
Credenz CZ 3750GTLL	3.7	PI88788	R	LLGT27
Credenz CZ 3840GTLL	3.8	PI88788	MS	LLGT27
Credenz CZ 3930GTLL	3.9	PI88788	MR	LLGT27
Credenz CZ 4240GTLL	4.2	PI88788	MR	LLGT27
Credenz CZ 4410GTLL	4.4	PI88788	MS	LLGT27
Credenz CZ 4539GTLL	4.5	PI88788	MS	LLGT27
Croplan CP4150XS	4.1	R3,MR14	MR	RR2X
Croplan CP4520XS	4.5	R3,MR14	MR	RR2X
Croplan CP4810XS	4.8	R3,MR14	M	RR2X
Croplan CP5010XS	5.0	R3,MR14	R	RR2X
Dyna-Gro S41XS98	4.1	PI88788	MR	RR2X
Dyna-Gro S43XS70	4.3	PI88788	MR	RR2X
Dyna-Gro S45XS37	4.5	PI88788	MR	RR2X
Dyna-Gro S46XS60	4.6	PI88788	MR	RR2X
Dyna-Gro S48XT56	4.8	PI88788	MR	RR2X
Dyna-Gro S48XT90	4.8	NA	MR	RR2X
Dyna-Gro S49XS76	4.9	PI88788	MR	RR2X

2020 Soybean Variety Characteristics - Continued

Soybean Variety Name	Maturity	Soybean Cyst Nematode Resistance	Sudden Death Syndrome	Herb Toler
LG Seeds C4845RX	4.8	R3-MR14	MR	RR2X
LG Seeds LGS3840RX	3.8	R3-MR14	MR	RR2X
LG Seeds LGS4464RX	4.4	R3-MR14	MR	RR2X
LG Seeds LGS4632RX	4.6	R3-MR14	MR	RR2X
LG Seeds LGS4899RX	4.8	R3-MR14	MR	RR2X
Mission A4448X	4.4	PI88788	TBD	RR2X
Mission A4618X	4.6	PI88788	TBD	RR2X
Mission A4689X	4.6	PI88788	TBD	RR2X
Mission A4828X	4.8	PI88788	TBD	RR2X
NuTech 34N06E	3.5	PI88788	MR	LL,RR,24D
NuTech 39N04E	3.9	PI88788	MR	LL.RR, 24D
NuTech 39N05E	3.9	PI88788	MR	LL.RR, 24D
NuTech 41N03E	4.1	PI88788	MR	LL.RR, 24D
NuTech 41N04E	4.1	PI88788	MR	LL,RR,24D
NuTech 43N04E	4.3	PI88788	MR	LL.RR, 24D
NuTech 45N04E	4.5	PI88788	MR	LL.RR, 24D
NuTech 46N02E	4.6	PI88788	MR	LL.RR, 24D
NuTech 48N04E	4.8	PI88788	MR	LL.RR, 24D
NuTech 49N03E	4.9	PI88788	MR	LL.RR, 24D
Pioneer variety P39A58X	3.9	PI88788	MR	RR2X
Pioneer variety P42A96X	4.2	PI88788	MR	RR2X
Pioneer variety P46A57BX	4.6	PI88788	MR	RR2X
Pioneer variety P46A86X	4.6	PI88788	MR	RR2X
Pioneer variety P48A60X	4.8	PI88788	MR	RR2X
Progeny 4265RXS	4.2	R3, MR14	MR	RR2X
Progeny 4444RXS	4.4	R3, MR14	MR/MS	RR2X
Progeny 4505RXS	4.5	MR3	MR	RR2X
Progeny 4620RXS	4.6	R3, MR14	MR	RR2X
Progeny 4700RXS	4.7	MR3	MR	RR2X
Progeny 4816RX	4.8	R3	MR	RR2X
Progeny 4821RX	4.8	R3, MR14	MR	RR2X
Progeny 4970RX	4.9	S	MR	RR2X
Stewart 3628R2X	3.6	PI88788	MS	RR2X
Stewart 4029R2X	4.0	PI88788	MR	RR2X
Stewart 4228R2X	4.2	PI88788	MS	RR2X
Stewart 4339R2X	4.3	PI88788	MR	RR2X
Stewart 4527R2X	4.5	PI88788	MR	RR2X
Stewart 4927R2X	4.9	PI88788	MR	RR2X
Taylor Seed T4641 ES	4.6	MR3/MR14	N/A	Enlist
Taylor Seed T4880X	4.8	R3/MR14	MR	RR2X
USG 7447XTS	4.4	R3,MR14	MR	RR2X
USG 7461XTS	4.6	MR3	MR	RR2X
USG 7489XT	4.8	R3,MR14	MR	RR2X
USG 7496XTS	4.9	R3,MR14	MR	RR2X