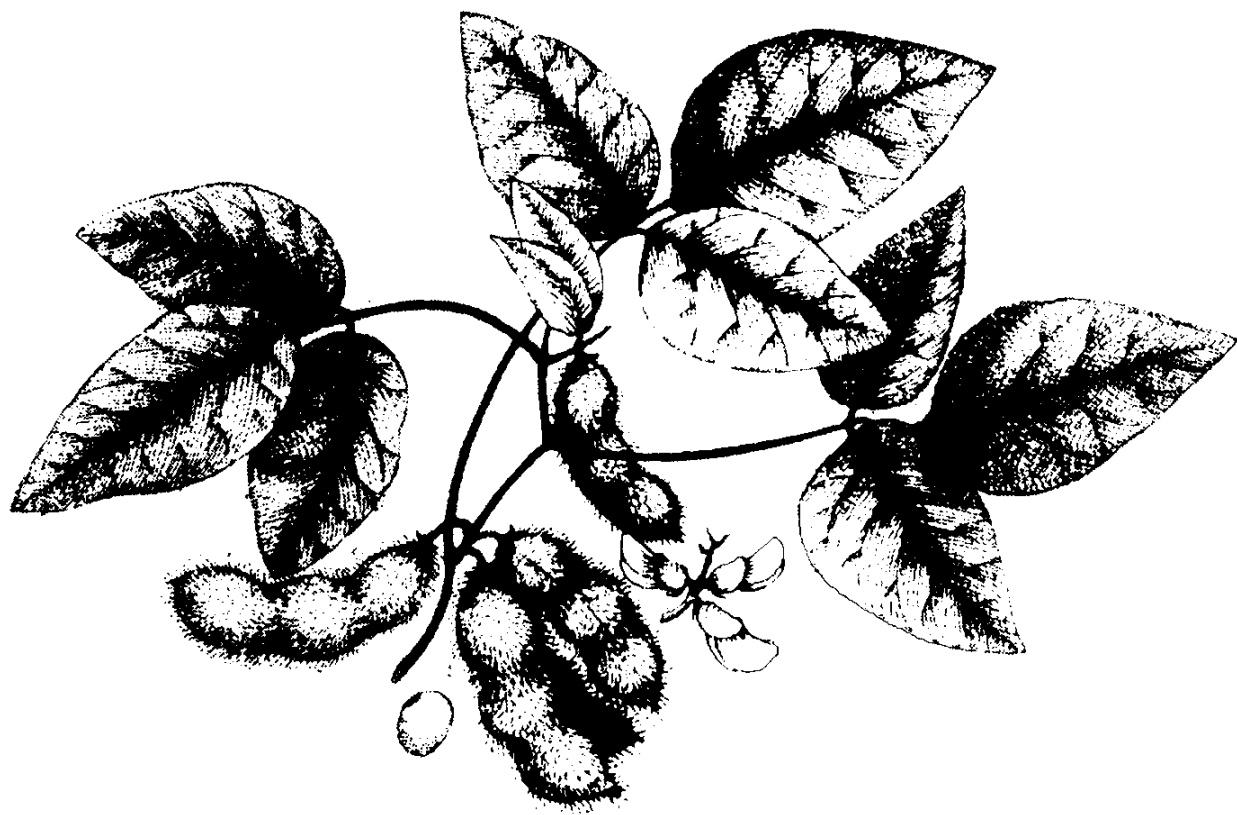


VIRGINIA SOYBEAN VARIETY EVALUATION TESTS 2007



Virginia Soybean Variety Evaluation Tests 2007

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Introduction to Variety Tests

The purpose of this publication is to provide performance data of the many soybean varieties offered for sale in Virginia. These data should be of benefit to producers and agribusinesses in making selections of varieties for their use. It is realized that not all varieties that are offered for sale in Virginia are included in these tests. There is no implication that varieties not included are inferior in any way, but only that they have not been tested. The private varieties that have been evaluated in these tests were submitted for testing by commercial seed companies.

Variety evaluations were conducted under full-season and double crop conditions in the Northern Piedmont (Orange), Southern Piedmont (Blackstone), Northern Coastal Plain (Warsaw), Southern Coastal Plain (Suffolk), and Eastern Shore (Painter) regions of the Commonwealth. In addition, a full-season test was conducted in the Shenandoah Valley (Augusta County). All double-crop tests were no-till planted following small grain. Due to the number of entries, it was necessary to separate the varieties by maturity in all locations.

2007 was one of the driest years on record in Virginia. Only one or two weather fronts moved through the state during the growing season. Therefore, our soybean crop was almost solely dependent on thunderstorms. The result was very low yields where it was dry all season (Blackstone, Warsaw FS), disappointing yields (~30-bushel) at the Suffolk FS site where rain was received early but not during pod and/or seed development, surprisingly good yields at the Suffolk and Warsaw DC tests where a few rains during pod and/or seed fill coupled with good soils resulted in 40-bushel yields, and very good yields at Painter where good but not excessive rains were received at just the right time. One location (Orange DC) was replanted in mid-July due to virtually zero emergence as a result of dry soils. After a rain in mid-August, both plantings emerged, but did not mature before a killing frost; therefore, that location is not included in this report. Unfortunately this weather scenario resulted in variable yields in some locations. Due to variability, the Blackstone double-crop location was dropped from the yield summaries. We did however include the results in the performance data; but these data should not be used to make variety selection decisions. Other locations were also variable, but we decided to report those results in our yield summaries due to either relatively high R^2 values or that the relative rankings did not change.

Interpreting the Results

Table 1 contains yield summaries over all locations. Past analysis of test data indicated that variety selection should be made from multiple years and sites. More locations result in more reliable information. However, average yields over locations should not be used to select the highest yielding variety unless all varieties are tested in all locations because data will be skewed to those varieties that are tested in the highest yielding locations. Therefore, relative yield is a better method of comparing varieties over locations. Relative yield is calculated by dividing the yield of a variety by the average yield of all varieties within the same maturity group at that location. A variety with a relative yield of 105 was 5% above the average of all varieties at that location. Relative yield is not an actual yield, but a value that is relative to all other yield values at that location. Varieties are ranked by relative yield in descending order.

Tables 2 through 8 contain detailed yield and other information from each location. The highest average yielding varieties are listed first in each table. It is not statistically correct to compare varieties from different maturity groups. However, it is recommended that producers select two to three of the highest yielding varieties from each maturity group adapted to his region in order to spread out harvesting time and yield risks associated with timing of summer rainfall patterns. Because of year-to-year variability in variety performance it is suggested that data for varieties with less than three locations or years testing be considered preliminary. The average performance of a variety over multiple environments is more reliable than its performance in one test. Multiple-year data can be obtained from the authors. Many of the new varieties, which do not have two-year averages, are excellent and will probably, earn a share of the Virginia soybean acreage. Other traits are also shown in the tables (maturity, lodging, height, seed quality, purple stain, and seed size) because each producer emphasizes certain of these traits or a combination of them when selecting varieties for his farm. After examining these results, the producer may want to plant limited quantities of several new better performing varieties to observe how they perform on his farm and under his management conditions.

An LSD (least significant difference) was calculated within maturity groups at each location. The LSD is a statistical test calculated at the 10% probability level to aid the reader in comparing the yield differences among varieties within a particular maturity group. When two entries are compared and the difference between them is greater than the calculated LSD value, the varieties are considered to be significantly different. The "NS" designation indicates that there were no significant differences for yield among the varieties within that maturity group. The coefficient of variation (CV) is a relative measure of variation and is an indicator of the degree of precision associated with the test. For soybean variety evaluation tests, CV values less than 15% indicates that the precision of the test was good in distinguishing differences between varieties.

R^2 is also a measure of variability and gives information regarding significant differences. The higher the R^2 , the more likely there are significant differences between varieties. When yields are low, R^2 can be a better indicator of degree of precision associated with the test than CV values.

Methods and Definitions

The variety test was evaluated in a randomized complete block design and replicated three times. All tests were maintained weed free with herbicides and hand weeding. Row widths, number of rows planted and harvested, and length of row harvested are shown on the production information page. Harvest was conducted as near to the date of first harvest maturity as work schedules and weather would permit. Fertilizer was applied according to Virginia Tech soil test recommendations.

Seeding Rates (seeds/acre):

<u>Maturity Group</u>	<u>Full-Season</u>	<u>Double-Crop</u>
III	165,000	220,000
IV	165,000	220,000
V	165,000	220,000

Maturity was taken at the date when 95% of the pods turned brown (R8). Detailed maturity date information was not taken at each location due to greater travel distances from the Tidewater AREC.

Lodging notes are recorded on a scale of 1 to 5 according to the following criteria:

- 1.0 - almost all plants erect
- 2.0 - either all plants leaning slightly, or a few plants down
- 3.0 - either all plants leaning moderately (45° angle), or 25 to 50% down
- 4.0 - either all plants leaning considerably or 50 to 80% down
- 5.0 - all plants down

Plant Height is determined as the average length of plants in a plot from the ground to the uppermost node of the plant at maturity.

Purple Seed Stain (PSS) is the percentage of seed from a 100-seed sample that are affected with that disease.

Seed Quality (SQ) is rated from 1 to 5 according to the following scale:

- 1.0 = very good; 2.0 = good; 3.0 = fair; 4.0 = poor; 5.0 = very poor.
- Seed quality ratings are a good representation of Phomopsis seed decay.

Seed Size (SS) is obtained from the weight of a 100-seed sample and is transformed to number of seed per pound.

Yields were collected with a small-plot combine equipped with scales and moisture tester. Yields were adjusted to 13% moisture. A bushel weight of 60 pounds (at 13% moisture) was used to determine bushel-per-acre (BU/AC) yield.

PRODUCTION INFORMATION

Location*	Planting Date	Tillage System	Herbicides	Date Applied	Insecticides/ Fungicides	Soil Type	Row Width	Number of Rows		Length of Row Harvested
								Planted	Harvested	
Blackstone-FS	5/8	Conv	Poast Plus Blazer Basagran	6/5	None	Dothan-Norfolk complex	15"	5	3	17'
Orange-FS	5/30	Conv.	Dual II Mag Canopy XL	5\16	Baythroid 7/6	Davidson clay loam	15"	5	3	17'
Painter-FS	5/14	Conv.	Dual II Mag, Sencor DF	5/16	Stratego 8/15 Warrior 9/1	Bojac sandy loam	15"	5	3	17'
Suffolk-FS	5/16	Conv	Dual II Mag Canopy XL Poast Plus	5/26 7/24	Quadris 8/3 Baythroid 8/15	Dragstonfine sandy loam/ Eunola loamy fine sand	15"	5	3	17'
Warsaw-FS	6/7	Conv	Python, Dual Mag Reflex, Fusilade DX	5/24 8/8	Karate Z 8/17 Tracer 8/28	Kempsville loam	30"	4	2	12'

Location*	Planting Date	Tillage System	Herbicides	Date Applied	Insecticides/ Fungicides	Soil Type	Row Width	Number of Rows		Length of Row Harvested
								Planted	Harvested	
Shenandoah-FS	5/29	No-till	Round Weather Max	6/16	None	Tempersville silt loam	15	5	3	17
Blackstone-DC	6/25	Conv	Dual II Mag, Sencor, Authority	6/25	None	Appling/Cecil clay loam	15"	5	3	17'
Painter-DC	7/5	No-Till	Dual II Mag Sencor DF	7/7	Warrior 9/12	Bojac sandy loam	15"	5	3	17'
Suffolk-DC	6/21	No-Till	Dual II Mag, Canopy XL Poast Plus Basagran First Rate	6/22 7/25	Quadris 8/31 Baythroid 8/15	Rains fine sandy loam	15"	5	3	17'
Warsaw-DC	7/3	No-Till	Dual II Mag Fusilade DX Reflex	7/2 8/8	Karate Z 8/23	Kempsville Loam	7.5"	5	5	12'

*FS = Full-Season, DC = Double-crop

**MONTHLY PRECIPITATION (INCHES) AND AVERAGE RAINFALL
DURING MAY THROUGH OCTOBER
AT VARIETY TEST LOCATIONS.**

Location		May	June	July	Aug.	Sept.	Oct.	Total
Blackstone	2007	4.53	3.50	3.43	2.36	1.71	5.94	21.47
	58-yr Avg.	3.86	3.84	4.65	3.98	3.67	3.32	23.32
Orange	2007	2.23	3.42	0.93	4.90	0.48	4.22	16.18
	67-yr. Avg.	3.85	3.78	4.43	3.85	3.84	3.56	23.31
Painter	2007	2.15	5.86	2.26	4.04	1.44	4.32	20.07
	67-yr Avg.	3.37	3.57	4.60	4.61	3.59	3.51	23.25
Suffolk	2007	2.16	3.0	1.71	5.0	0.43	5.26	17.56
	73-yr. Avg.	3.93	4.27	5.70	5.68	4.18	3.49	27.25
Warsaw	2007	1.22	2.68	1.96	3.95	1.30	3.91	15.02
	41-yr Avg.	4.28	3.87	4.17	4.16	4.38	3.30	24.16

SUPPLIERS OF SOYBEAN VARIETIES TESTED IN 2006

SUPPLIER	BRAND	VARIETY
Crop Production Services 443 Allenby Dr. Marysville, OH 43040	Vigoro	V43N8RR, V44N6RR, V47N8RR, V49N6RR, V51N7RS, V53N7RR, V54N8RS, V56N7RR
Delta and Pine Land Company 103 Seaboard Ave. Piedmont, AL 36272	D&PL	DP3993RR, DPX4334RR, DP4450RR, DP4690RR, DP4724RR, DPX4727RR, DP4748S, DP4888RR/S, DP4919RR/S, DP5110S, DP5115RR/S, DP5335RR/S, DP5414RR, DP5634RR, DP5914RR, DP5915RR
Delta King Seed Co P.O. Box 970 McCroy, AR 72101	Delta King	DK4866, DK4968, DK5066, DK5368
Erwin Keith Seed INC 1529 HWY 193 Wynne, AR 72396	Progeny	4206, 4405, 4507, 4606, 4706, 4807, 4906, 4949, 5115, 5207, 5307, 5407, 5507
Featherstone Farm 13941 Genito Rd. Amelia, VA 23002	Clark	CL49, DK4866
Monsanto Company 102 West Carol AVE Cortland, IL 60112	Asgrow	AG4404, AG4604, AG4703, AG4801 AG4903, AG5301, AG5605, AG5905
NK Brand Seeds 13760 Appomattox Circle Laurinburg, NC 28352	NK Brand	S45-E5, S46-U6, S49-H7, S53-A1, S59-B8
Pioneer Hi-Bred International Inc. 7501 Memorial Pkwy Huntsville, AL 35802	Pioneer	93M95, 94B73, 94M50, 94M80, 95M50, 95M82
Southern States Coop P.O. Box 26234 Richmond, VA 23260	Southern States	RT3860, RT3851N, RT3871N, RT3971N, RT4151N, RT4370N, RT4440N, RT4451N, RT4470N, RT4551N, RT4760N, RT4777N, RT4808N, RT4981N, RT4996N, RT5160N, RT5471N, RT5540N, RT5760N
Stine Seed Company 2225 Laredo Trial Adel, IA 50003	Stine	4402-04, 4782-4, 5482-4,
T.A. Seeds P.O. Box 300 Avis, PA 17721	T.A. Seeds	TS4389R, TS4599R
Trisler Seeds, Inc. 3274E 800 North Rd. Fairmount, IL. 61841	Trisoy	3874RR, 3977RR, 4275RR, 4470RR, 4475RR, 4760RR
UAP Distribution INC 1140 Sweet Rd. East Aurora, NY 14052	Dyna-Gro	32R46, 33A40, 35G38, 36Y48, 39B38

SUPPLIER	BRAND	VARIETY
UniSouth Genetics, Inc. 2640-C Nolensville Rd. Nashville, TN 37211	USG	7384nRS, 7393nRR, 7423nRS, ALLEN, 74A27, 74A45,74A76, 74A91, 74D77, 74F96, 7495nRS, 7515nRS, 7553nRS, 7582nRS, 75J47, 440nSTS, 550nSTS, 5002T, 5601T, 75M16,
University of Arkansas 115 PTSC Bldg Fayetteville, AR 72701	Public	UA4805, Ozark, R98-1821
University of Tennessee 2431 Joe Johnson Dr. Knoxville, TN 37996- 4561	Public	TN05-4008, TN03-12RR
Virginia Tech 509 Latham Hall Blacksburg, VA 24061	Public	V02-8655, V02-8657, V02-8659, V02-7180, V00-2275, V03-4830, V01-2245, V03-0293, V01-1693, V01-1702, V98-2711, V98-9005

Table 1a. 2007 Yield Summaries and Average Relative Yield of Full Season Maturity Group III

<i>Brand</i>	<i>Variety</i>	<i>Herb Resist</i>	<i>ORG</i>	<i>PTR</i>	<i>SUF</i>	<i>SHV</i>	<i>WAR</i>	<i>Average</i>	<i>Avg. Rel. Yield</i>
Virginia	V02-8659	CONV	27.9	68.2	29.1		21.3	36.6	109
S.States	RT3871N	RR	30.5	29.6		44.4	19.0	30.9	107
USG	7384nRS	RR/STS		62.7	27.3	43.7	23.9	39.4	107
D&PL	DP3993RR	RR	30.1	67.1	29.8	40.3	20.0	37.5	106
Virginia	V02-8655	CONV	28.5	62.4	27.5		20.0	34.6	104
USG	7393nRR	RR		64.9	27.8	44.1	19.2	39.0	103
S.States	RT3971N	RR	25.6		25.7	47.7	19.5	29.6	102
Dyna-Gro	35G38	RR	25.5	64.7		42.2	18.2	37.6	99
Pioneer	93M95	RR	31.5	57.5		37.5	17.7	36.1	99
Virginia	V02-7180	CONV	26.2	64.7	27.2		15.6	33.4	97
Dyna-Gro	SXO7339	RR	25.1	54.2		41.2	19.6	35.0	96
S.States	RT3860	RR	22.0		26.8	44.1	18.3	27.8	96
Virginia	V02-8657	CONV	23.2	62.6	29.2		16.1	32.8	95
S.States	RT3851N	RR	17.9		29.8	40.2	19.9	26.9	94
Trisoy	3977RR	RR			27.6	43.8	13.1	28.1	91
Trisoy	3874RR	RR/STS			21.0	45.0	15.1	27.0	88
GRAND AVERAGE			26.2	62.9	27.6	42.8	18.5	33.3	100
R ²			0.51	0.62	0.74	0.60	0.87		
CV			23.3	6.5	12.1	6.6	19.6		
LSD (0.10)			8.6	4.9	4.0	4.0	4.3		

Table 1b. 2007 Yield Summaries and Average Relative Yield of Full Season Early Maturity Group IV

<i>Brand</i>	<i>Variety</i>	<i>Herb Resist</i>	<i>BLK</i>	<i>ORG</i>	<i>PTR</i>	<i>SUF</i>	<i>SHV</i>	<i>WAR</i>	<i>Average</i>	<i>Avg. Rel. Yield</i>
NK	S46-U6	RR	31.1			38.8		32.9	34.3	120
Asgrow	AG4604	RR/STS		37.2	69.2			31.1	45.8	111
NK	S45-E5	RR	28.4			36.3		29.9	31.5	110
D&PL	DP4690RR	RR	27.6	33.8	64.6	36.8	45.8	35.9	40.7	110
USG	74A27	RR			67.6	33.1	42.6	32.9	44.0	106
Trisoy	4475RR	RR				31.2	45.4	31.1	35.9	106
D&PL	DPX4334RR	RR	24.8	31.5	72.0	38.2	45.6	28.2	40.1	104
Asgrow	AG4404	RR/STS		37.0	65.7			27.5	43.4	104
S.States	RT4151N	RR	24.3	34.4		34.4	43.6	30.6	33.5	104
S.States	RT4370N	RR	24.3	32.2		41.8	43.9	26.3	33.7	104
D&PL	DP4450RR	RR	28.4	34.3	64.8	31.4	45.3	26.8	38.5	102
Dyna-Gro	32R46	RR	24.6		74.0	33.1			43.9	101
Progeny	4507	RR	25.2	30.2		38.8			31.4	101
S.States	RT4470N	RR/STS	24.4	37.4		32.9	45.7	24.0	32.9	101
USG	440nSTS	STS			71.4	32.7		26.6	43.6	101
T.A.Seeds	TS4389R	RR		34.0		37.1		24.2	31.8	100
T.A.Seeds	TS4679R	RR		37.5		32.1		25.0	31.5	100
USG	74A45	RR	26.5		69.9	32.7		24.7	38.5	99
S.States	RT4551N	RR	26.7	31.1		35.1	38.6	26.4	31.6	99
Vigoro	V43N8RR	RR			68.5	33.1		25.1	42.2	98
Progeny	4405	RR	26.7			33.7	35.6		32.0	96
S.States	RT4451N	RR	26.6	27.6		36.7	46.3	20.3	31.5	96
Progeny	4206	RR	25.8			33.0	37.6		32.1	96
Progeny	4606	RR	24.3	31.8		33.1			29.7	96
Stine	4502-4	RR/STS	22.4	31.5	64.9	37.1	39.1	22.9	36.3	95

Table 1b. 2007 Yield Summaries and Average Relative Yield of Full Season Early Maturity Group IV

<i>Brand</i>	<i>Variety</i>	<i>Herb Resist</i>	<i>BLK</i>	<i>ORG</i>	<i>PTR</i>	<i>SUF</i>	<i>SHV</i>	<i>WAR</i>	<i>Average</i>	<i>Avg. Rel. Yield</i>
Trisoy	4275RR	RR/STS				31.9	39.3	25.6	32.3	94
Vigoro	V44N6RR	RR			63.3	31.5		24.6	39.8	93
Pioneer	94M50	RR		36.8			39.0	19.9	31.9	93
Dyna-Gro	33A40	RR	21.0		65.0	33.0			39.7	92
USG	7423nRS	RR/STS			59.9	29.8		26.2	38.7	92
S.States	RT4440N	RR	24.5	29.2		33.2	40.9	21.1	29.8	92
Tennessee	TN05-4008	CONV	19.2	32.6	63.3	33.6		23.7	34.5	91
Trisoy	4470RR	RR				31.2	35.5	25.7	30.8	91
GRAND AVERAGE			25.3	33.3	66.9	34.2	41.8	26.6	36.0	100
R ²			0.52	0.59	0.43	0.42	0.40	0.80		
CV			12.6	14.6	8.3	17.9	17.5	22.9		
LSD (0.10)			4.4	6.7	6.6	7.2	10.1	7.2		

Table 1c. 2007 Yield Summaries and Average Relative Yield of Double Crop Early Maturity Group IV							
<i>Brand</i>	<i>Variety</i>	<i>Herb Resist</i>	<i>PTR</i>	<i>SUF</i>	<i>WAR</i>	<i>Average</i>	<i>Avg. Rel. Yield</i>
Progeny	4606	RR		49.8	46.3	48.0	110
D&PL	DPX4450RR	RR	39.3	48.8	43.9	44.0	105
S.States	RT4470N	RR/STS		48.9	42.5	45.7	105
Pioneer	94M50	RR		47.7	42.3	45.0	103
Stine	4502-4	RR/STS	40.6	48.9	39.5	43.0	102
D&PL	DP4690RR	RR	37.8	52.2	39.2	43.1	102
Progeny	4405	RR		45.3	43.5	44.4	102
USG	74A45	RR	36.9	43.9	46.9	42.6	101
S.States	RT4440N	RR		44.5	43.8	44.2	101
Progeny	4507	RR		44.2	44.0	44.1	101
D&PL	DPX4334RR	RR	38.5	46.2	42.5	42.4	101
S.States	RT4370N	RR		43.9	43.8	43.8	100
Vigoro	V43N8RR	RR	41.5	43.3	41.3	42.0	100
NK	S45-E5	RR	37.2	43.6		40.4	100
Vigoro	V44N6RR	RR	37.5	44.1	43.9	41.8	100
S.States	RT4551N	RR		40.9	44.8	42.9	98
NK	S46-U6	RR	39.4		40.2	39.8	98
Progeny	4206	RR		43.5	41.7	42.6	98
Trisoy	4475RR(CN)	RR		44.6	40.4	42.5	97
S.States	RT4151N	RR		43.7	40.6	42.1	96
S.States	RT4451N	RR		42.3	41.5	41.9	96
T.A.Seeds	TS4389R	RR		40.2	43.3	41.7	96
Tennessee	TN05-4008	CONV	38.3	38.8	39.9	39.0	93
T.A.Seeds	TS4599R	RR		46.2	34.7	40.5	92
GRAND AVERAGE			38.7	45.1	42.2	42.8	10
R ²			0.25	0.76	0.59		
CV			10.0	7.2	8.0		
LSD (0.10)			4.6	3.8	4.0		

Table 1d. 2007 Yield Summaries and Average Relative Yield of Full Season Late Maturity Group IV

<i>Brand</i>	<i>Variety</i>	<i>Herb Resist</i>	<i>BLK</i>	<i>ORG</i>	<i>PTR</i>	<i>SUF</i>	<i>SHV</i>	<i>WAR</i>	<i>Average</i>	<i>Avg. Rel. Yield</i>
DeltaKing	DK4968	RR	28.8			54.3		20.7	34.6	116
USG	74F96	RR			78.2	47.6		24.8	50.2	114
Progeny	4807	RR	22.8			46.6		25.5	31.7	110
D&PL	DP4748S	STS	24.1	41.6	73.2	50.0	44.8	21.0	42.5	109
Asgrow	AG4903	RR/STS	20.2	38.2	77.9	38.8		27.2	40.5	106
D&PL	DP4724RR	RR	23.7	34.7	75.6	50.4	44.2	20.3	41.5	106
Vigoro	V49N6RR	RR			67.0	47.8		22.7	45.8	105
USG	74A91	RR	22.6		69.1	52.0		21.2	41.2	104
D&PL	DPX4727RR	RR	27.7	38.5	69.7	44.1	42.0	18.2	40.0	104
D&PL	DP4888RR/S	RR/STS	22.1	31.4	72.0	40.9	46.8	23.5	39.5	102
D&PL	DP4919RR/S	RR/STS	22.7	35.3	71.0	40.7	44.8	21.0	39.2	101
Progeny	4706	RR	22.2	36.2		44.3			34.2	101
Asgrow	AG4801	RR	22.2	36.7	70.6	40.3		22.3	38.4	101
NK	S49-H7	RR	22.4			39.8		23.5	28.6	101
S.States	RT4808N	RR/STS	24.8	31.7	72.1	42.0	39.3	22.2	38.7	100
Pioneer	94M80	RR		34.7	67.0	47.8		19.2	42.2	100
S.States	RT4777N	RR	24.0	32.3	64.9	40.9	40.1	24.4	37.8	100
Virginia	V00-2275	CONV	24.8	33.0	74.1	48.5		16.6	39.4	100
USG	74D77	RR			62.7	47.8		20.5	43.7	100
S.States	RT4996N	RR/STS	24.3	32.3	75.6	43.7	39.9	18.0	39.0	99
Virginia	V03-4830	CONV	23.4	26.4	69.4	45.6		21.9	37.3	97
Vigoro	V47N8RR	RR			64.8	43.3		20.4	42.8	97

Table 1d. 2007 Yield Summaries and Average Relative Yield of Full Season Late Maturity Group IV

<i>Brand</i>	<i>Variety</i>	<i>Herb Resist</i>	<i>BLK</i>	<i>ORG</i>	<i>PTR</i>	<i>SUF</i>	<i>SHV</i>	<i>WAR</i>	<i>Average</i>	<i>Avg. Rel. Yield</i>
Progeny	4906	RR	23.9			39.5		20.0	27.8	97
Asgrow	AG4703	RR	24.1	35.3	64.5	37.1		20.3	36.3	96
USG	7495nRS	RR/STS	22.3		72.2	35.6		21.1	37.8	95
S.States	RT4760N	RR	23.4	36.7	65.1	35.4	42.5	17.2	36.7	95
Stine	4782-4	RR/STS	22.2	31.7	72.7	42.1	40.0	17.1	37.6	95
Arkansas	UA4805	CONV	23.5	31.5	78.6	38.8	34.2	18.7	37.5	95
S.States	RT4981N	RR	23.8	29.1	71.5	41.6	34.4	19.8	36.7	94
Tennessee	TN0312R	RR	24.5	32.2	72.0	39.8	35.3	17.5	36.9	94
Progeny	4949	RR	25.3			36.2		18.1	26.5	93
DeltaKing	DK4866	RR/STS	21.2			40.6		19.5	27.1	93
USG	74A76	RR			74.5	38.4		17.1	43.3	92
Trisoy	4760RR	RR/STS				42.5	39.3	15.5	32.4	90
GRAND AVERAGE			23.6	34.0	71.0	43.1	40.5	20.5	37.8	100
R ²			0.35	0.45	0.63	0.33	0.63	0.81		
CV			15.2	14.1	8.0	21.7	11.5	22.5		
LSD (0.10)			4.9	6.6	6.7	11.0	6.5	5.4		

Table 1e. 2007 Yield Summaries and Average Relative Yield of Double Crop Late Maturity Group IV							
<i>Brand</i>	<i>Variety</i>	<i>Herb Resist</i>	<i>PTR</i>	<i>SUF</i>	<i>WAR</i>	<i>Average</i>	<i>Avg. Rel. Yield</i>
DeltaKing	DK4968	RR		47.1		47.1	117
Vigoro	V49N6RR	RR	43.4	43.5	47.9	44.9	108
USG	74F96	RR	41.2	44.7	46.4	44.1	106
USG	7495nRS	RR/STS	43.8	42.7	45.0	43.8	106
Progeny	4807	RR	43.7		44.7	44.2	105
D&PL	DPX4727RR	RR	42.3	46.0	42.2	43.5	105
S.States	RT4777N	RR	45.3		42.5	43.9	105
Progeny	4706	RR	40.3		47.6	43.9	104
D&PL	DP4888RR	RR/STS	41.8	39.4	48.3	43.2	104
Progeny	4949	RR	43.6		43.4	43.5	104
Virginia	V00-2275	CONV	43.1	41.1	44.1	42.7	103
S.States	RT4808N	RR/STS	40.9		45.2	43.1	102
Progeny	4906	RR	40.1		45.6	42.8	102
Pioneer	94B73	RR	42.1		43.1	42.6	101
D&PL	DP4919RR/S	RR/STS	41.8	37.1	47.4	42.1	101
Pioneer	94M80	RR	39.5		45.1	42.3	101
Asgrow	AG4903	RR/STS	43.6	39.4	42.2	41.7	100
USG	74A76	RR	39.1	41.2	45.0	41.8	100
USG	74D77	RR	42.5	41.9	40.3	41.6	100
Stine	4782-4	RR/STS	41.1	39.2	42.0	40.8	98
Trisoy	4760RR(CN)	RR/STS	40.6		41.4	41.0	98
S.States	RT4996N	RR/STS	42.0	36.8	42.8	40.5	98
D&PL	DP4748S	STS	40.4	37.5	43.7	40.5	97

Table 1e. 2007 Yield Summaries and Average Relative Yield of Double Crop Late Maturity Group IV							
<i>Brand</i>	<i>Variety</i>	<i>Herb Resist</i>	<i>PTR</i>	<i>SUF</i>	<i>WAR</i>	<i>Average</i>	<i>Avg. Rel. Yield</i>
DeltaKing	DK4866	RR/STS	39.3			39.3	97
Vigoro	V47N8RR	RR	42.3	40.1	38.3	40.2	97
S.States	RT4760N	RR		38.9	42.7	40.8	97
Virginia	V03-4830	CONV	34.6	35.5	47.8	42.7	97
USG	74A91	RR	40.7	37.1	41.4	39.8	96
D&PL	DP4724RR	RR	39.4	42.6	36.5	39.5	95
Tennessee	TN0312RR	RR	37.7	32.3	46.6	38.9	93
Clark	CL49	RR	37.5	36.5	41.2	38.4	92
S.States	RT4981N	RR	33.5	35.2	41.0	36.6	88
GRAND AVERAGE			40.6	40.3	43.7	41.9	100
R ²			0.47	0.65	0.72		
CV			9.6	11.3	8.9		
LSD (0.10)			4.6	5.4	4.6		

Table 1f. 2007 Yield Summaries and Average Relative Yield of Full Season Maturity Group V

<i>Brand</i>	<i>Variety</i>	<i>Herb Resist</i>	<i>BLK</i>	<i>ORG</i>	<i>PTR</i>	<i>SUF</i>	<i>WAR</i>	<i>Average</i>	<i>Avg. Rel. Yield</i>
USG	5601T	CONV			72.4	35.3	24.2	44.0	111
NK	S59-B8	RR	24.5		70.2	33.3		42.7	110
Virginia	V01-2245	CONV	22.9	36.3	62.4	32.6	23.4	35.5	109
USG	75M16	RR	23.2		71.5	33.2	21.6	37.4	107
D&PL	DP5915RR	RR	30.0	26.2	67.8	27.7	22.2	34.8	107
D&PL	DP5634RR	RR	23.9	26.1	73.6	31.8	23.1	35.7	106
Arkansas	Ozark	CONV	18.7	28.3	78.8	34.4	23.1	36.6	105
Progeny	5507	RR	25.9		68.2	27.1		40.4	105
D&PL	DP5110S	STS	20.0	27.6	67.1	38.0	23.1	35.2	105
Arkansas	R98-1821	CONV	19.6	32.2	68.4	30.9	23.6	35.0	104
Asgrow	AG5905	RR	22.5			30.2		26.3	104
USG	7582nRR	RR			62.0	33.7	23.6	39.8	103
USG	75J47	RR			63.2	32.5	23.9	39.8	103
Asgrow	AG5605	RR/STS	18.1	30.3	74.4	34.9	20.2	35.6	102
Virginia	V98-2711	CONV	17.3	30.4	68.5	35.8	22.0	34.8	102
S.States	RT5471N	RR/STS	19.0	67.5	33.8		22.7	35.8	102
Virginia	V98-9005	CONV	19.3	31.5	73.3	28.2	22.6	35.0	102
Progeny	5307	RR	18.4		61.5	38.3		39.4	101
S.States	RT5760N	RR	23.3		72.1	31.1	17.3	36.0	101
D&PL	DP5335RS	RR/STS	18.3	30.4	71.2	29.8	22.4	34.4	100
USG	5002T	CONV			63.6	36.6	19.3	39.8	100
Virginia	V01-1702	RR	23.6	27.6	74.1	28.5	18.5	34.4	100
Public	Hutcheson	CONV	20.2	30.9	67.4	31.2	19.9	33.9	100
Stine	5482-4	RR/STS	20.8	30.2	67.1	30.6	20.1	33.8	100
Progeny	5115	RR	17.8		65.3	36.2		39.8	100
Asgrow	AG5301	RR		28.7	69.3	27.8	22.6	37.1	99
Pioneer	95M82	RR	26.2		64.8	29.9	16.3	34.3	99
Dyna-Gro	36Y48	RR	14.9		78.7	33.5		42.4	99
Public	Teejay	CONV	17.1	26.3	74.6	30.0	23.8	34.3	99

Table 1f. 2007 Yield Summaries and Average Relative Yield of Full Season Maturity Group V

Brand	Variety	Herb Resist	BLK	ORG	PTR	SUF	WAR	Average	Avg. Rel. Yield
USG	7553nRS	RR/STS	18.5		72.2	35.3	17.9	36.0	99
Vigoro	V51N7RS	RR/STS			71.1	28.5	21.0	40.2	98
USG	550nSTS	STS			65.0	24.8	25.5	38.4	98
S.States	RT5160N	RR/STS	16.8	24.1	73.8	31.1	24.5	34.1	98
D&PL	DP5115RR/S	RR/STS	15.9	26.7	65.5	32.3	25.0	33.1	98
S.States	RT5540N	RR	22.1		62.5	30.2	19.7	33.6	98
DeltaKing	DK5368	RR	20.0			33.5	18.3	24.0	97
Virginia	V03-0293	RR	25.3	24.4	49.0	30.6	22.2	30.3	97
Virginia	V01-1693	RR	24.1	25.6	63.0	30.5	18.2	32.3	97
D&PL	DP5414RR	RR	19.2	25.5	65.4	29.8	22.6	32.5	96
Pioneer	95M50	RR/STS	19.1			30.0	20.8	23.3	96
Progeny	5407	RR	20.4		64.8	28.1		37.8	95
D&PL	DP5914RR	RR	16.4	29.3	67.2	31.2	18.8	32.6	94
USG	7515nRS	RR/STS			67.4	29.6	18.9	38.6	94
Vigoro	V54N8RS	RR/STS			70.5	27.5	19.2	39.1	94
NK	S53-A1	RR	18.1		70.4	26.6		38.4	93
DeltaKing	DK5066	RR	14.7			35.0	18.5	22.7	90
USG	Allen	RR			59.1	29.1	18.9	35.7	89
Progeny	5207	RR	11.3		60.3	27.7		33.1	78
GRAND AVERAGE			20.2	28.5	67.9	31.4	21.3	35.4	100
R ²			0.52	0.47	0.54	0.43	0.48		
CV			22.2	15.4	9.7	17.8	16.8		
LSD (0.10)			6.1	6.0	7.7	6.6	4.2		

Table 1g. 2007 Yield Summaries and Average Relative Yield of Double Crop Maturity Group V							
<i>Brand</i>	<i>Variety</i>	<i>Herb Resist</i>	<i>PTR</i>	<i>SUF</i>	<i>WAR</i>	<i>Average</i>	<i>Avg. Rel. Yield</i>
Progeny	5207	RR		44.6	49.9	47.2	117
Vigoro	V51N7RS	RR/STS	41.4	43.0	45.1	43.2	109
Progeny	5307	RR		41.5	45.7	43.6	108
Virginia	V98-2711	CONV	43.8	41.3	41.4	42.2	107
USG	5601T	CONV	40.5	40.5	45.7	42.2	107
Virginia	V01-2245	CONV	40.8	38.8	46.4	42.0	106
D&PL	DP5110S	STS	39.4	38.2	47.2	41.6	105
Asgrow	AG5605	RR/STS	37.0	43.2	44.3	41.5	105
USG	7553nRS	RR/STS	38.8	37.4	48.2	41.5	105
NK	S53-A1	RR	38.8	40.9		39.9	104
Progeny	5507	RR		38.2	45.8	42.0	104
S.States	RT5160N	RR/STS	37.5	39.3	46.5	41.1	104
USG	75M16	RR	38.9	42.2	40.8	40.6	103
D&PL	DP5335RR/S	RR/STS	40.4	39.8	40.9	40.4	102
Stine	5482-4	RR/STS	39.0	39.0	42.9	40.3	102
S.States	RT5471N	RR/STS	36.4	40.7	43.8	40.3	102
USG	7515nRS	RR/STS	43.4	39.0	37.1	39.9	101
Virginia	V98-9005	CONV	40.8	39.1	39.9	39.9	101
USG	75J47	RR	37.4	42.7	38.9	39.7	101
D&PL	DP5115RR/S	RR/STS	39.2	35.4	44.4	39.7	100
S.States	RT5760N	RR	38.6	40.3	38.7	39.2	100
Vigoro	V54N8RS	RR/STS	37.4	35.3	45.4	39.4	99
Public	Teejay	CONV	37.3	39.0	41.2	39.2	99
Public	Hutcheson	CONV	34.2	37.0	45.9	39.1	99
D&PL	DP5914RR	RR	39.1	37.3	38.9	38.4	98
Progeny	5407	RR		36.9	41.6	39.2	97
Virginia	V01-1702	RR	36.0	36.8	42.8	38.5	97
Asgrow	AG5905	RR	37.6	38.6	38.4	38.2	97
D&PL	DP5414RR	RR	36.9	34.0	43.8	38.2	97

Table 1g. 2007 Yield Summaries and Average Relative Yield of Double Crop Maturity Group V							
<i>Brand</i>	<i>Variety</i>	<i>Herb Resist</i>	<i>PTR</i>	<i>SUF</i>	<i>WAR</i>	<i>Average</i>	<i>Avg. Rel. Yield</i>
Pioneer	95M82	RR	37.5	38.0	38.4	38.0	96
Virginia	V01-1693	RR	35.6	37.3	39.4	37.4	95
S.States	RT5540N	RR	32.5	40.3	39.4	37.4	95
Progeny	5115	RR		36.2	40.0	38.1	95
USG	Allen	RR	35.5	37.4	37.8	36.9	94
Vigoro	V55N5RR	RR	36.0	33.1	41.4	36.8	93
NK	S59-B8	RR	34.3	36.8		35.6	93
Virginia	V03-0293	RR	38.1	35.3	36.5	36.6	93
D&PL	DP5915RR	RR	35.7	37.1	36.0	36.3	92
D&PL	DP5634RR	RR	35.7	32.1	40.4	36.1	91
Pioneer	95M50	RR/STS		31.5	37.1	34.3	85
GRAND AVERAGE			38.0	38.4	42.0	39.5	100
R ²			0.51	0.49	0.50		
CV			9.2	10.5	14.1		
LSD (0.10)			4.1	4.7	7.0		

Table 2a. 2007 Performance of Full Season Maturity Group III at Orange, VA

Brand	Variety	Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS 1-5	SQ 1-5	SS seed/lb	Yield Bu/Ac
Pioneer	93M95	RR	27-sep-07	1.0	22	8	3.0	2847	31.5
S.States	RT3871N	RR	26-sep-07	1.0	22	5	3.0	2937	30.5
D&PL	DP3993RR	RR	26-sep-07	1.0	24	13	2.0	2857	30.1
Virginia	V02-8655	CONV	24-sep-07	1.0	25	1	1.7	3732	28.5
Virginia	V02-8659	CONV	24-sep-07	1.0	25	3	1.7	3612	27.9
Virginia	V02-7180	CONV	25-sep-07	1.0	20	3	2.3	3304	26.2
S.States	RT3971N	RR	27-sep-07	1.0	22	8	2.7	2478	25.6
Dyna-Gro	35G38	RR	26-sep-07	1.0	19	7	2.0	2668	25.5
Dyna-Gro	SXO7339	RR	27-sep-07	1.0	21	3	3.3	2597	25.1
Virginia	V02-8657	CONV	24-sep-07	1.0	23	2	1.3	3868	23.2
S.States	RT3860	RR	26-sep-07	1.0	16	4	4.3	2923	22.0
S.States	RT3851N	RR	24-sep-07	1.0	19	3	2.7	3579	17.9
Grand Average			25-sep-07	1.0	22	5	2.5	3117	26.2
R ²			0.70	----	0.59	0.67	0.83	0.89	0.51
CV			0.1	----	13.7	76	18.7	6.9	23.3
LSD (0.10)			1.4	----	4.1	5.3	0.7	302	8.6

Table 2b. 2007 Performance of Full Season Maturity Group III at Painter, VA

Brand	Variety	Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS 1-5	SQ 1-5	SS seed/lb	Yield Bu/Ac
Virginia	V02-8659	CONV	-----	1.0	28	11	3.3	2974	68.2
D&PL	DP3993RR	RR	-----	1.0	26	15	4.0	2518	67.1
USG	7393nRR	RR	-----	1.0	26	9	3.3	2185	64.9
Dyna-Gro	35G38	RR	-----	1.0	23	15	2.8	2323	64.7
Virginia	V02-7180	CONV	-----	1.0	26	13	3.3	2616	64.7
USG	7384nRS	RR/SS	-----	1.0	21	20	3.5	2658	62.7
Virginia	V02-8657	CONV	-----	1.0	25	8	2.5	3022	62.6
Virginia	V02-8655	CONV	-----	1.0	24	8	2.8	3008	62.4
Pioneer	93M95	RR	-----	1.0	26	9	2.5	2713	57.5
Dyna-Gro	SXO7339	RR	-----	1.0	23	7	2.3	2395	54.2
Grand Average			-----	1.0	2.5	1.1	3.0	2641	62.9
R ²			-----	----	0.74	0.45	0.71	0.91	0.62
CV			-----	----	10.3	54	16.1	4.2	6.5
LSD (0.10)			-----	----	3.0	7.4	0.61	134	4.9

Brand	Variety	Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS 1-5	SQ 1-5	SS seed/lb	Yield Bu/Ac
S.States	RT3971N	RR	-----	1.0	26	1	2.0	2858	47.7
Trisoy	3874RR	RR/STS	-----	1.0	23	0	2.3	3602	45.0
S.States	RT3871N	RR	-----	1.0	26	0	2.0	3183	44.4
S.States	RT3860	RR	-----	1.0	23	0	2.3	3126	44.1
USG	7393nRR	RR	-----	1.0	26	0	2.0	2661	44.1
Trisoy	3977RR	RR	-----	1.0	27	0	2.0	2862	43.8
USG	7384nRS	RR/STS	-----	1.0	21	0	2.3	3594	43.7
Dyna-Gro	35G38	RR	-----	1.0	24	0	2.0	2750	42.2
Dyna-Gro	SXO7339	RR	-----	1.0	26	0	2.0	2815	41.2
D&PL	DP3993RR	RR	-----	1.0	28	0	1.7	3138	40.3
S.States	RT3851N	RR	-----	1.0	25	0	1.7	3952	40.2
Pioneer	93M95	RR	-----	1.0	25	0	1.3	3493	37.5
Grand Average			-----	1.0	2.5	0	2.2	3169	42.8
R ²			-----	----	0.69	0.50	0.3	0.96	0.60
CV			-----	----	6.5	300	21.5	3.3	6.6
LSD (0.10)			-----	----	2.3	0.7	0.6	147	4.0

Brand	Variety	Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS 1-5	SQ 1-5	SS seed/lb	Yield Bu/Ac
D&PL	DP3993RR	RR	20-sep-07	1.0	26	0	2.8	2590	29.8
S.States	RT3851N	RR	17-sep-07	1.0	26	0	3.0	3096	29.8
S.States	RT3871N	RR	22-sep-07	1.0	24	0	2.5	2878	29.6
Virginia	V02-8657	CONV	17-sep-07	1.0	29	0	2.3	3262	29.2
Virginia	V02-8659	CONV	18-sep-07	1.0	28	1	2.3	3172	29.1
USG	7393nRR	RR	18-sep-07	1.0	26	0	3.3	2640	27.8
Trisoy	3977RR	RR	20-sep-07	1.0	24	0	3.5	2540	27.6
Virginia	V02-8655	CONV	18-sep-07	1.0	27	0	3.0	3105	27.5
USG	7384nRS	RR/STS	20-sep-07	1.0	21	1	3.8	3168	27.3
Virginia	V02-7180	CONV	20-sep-07	1.1	25	0	3.0	2933	27.2
S.States	RT3860	RR	20-sep-07	1.0	21	1	4.0	2898	26.8
S.States	RT3971N	RR	18-sep-07	1.0	22	0	3.8	2645	25.7
Trisoy	3874RR	RR/STS	18-sep-07	1.0	19	1	3.8	3312	21.0
Grand Average			19-Sep-07	1.0	24	0	3.1	2941	27.6
R ²			0.36	0.29	0.82	0.35	0.65	0.69	0.74
CV			0.1	6.9	7.2	202	16.7	8.45	12.1
LSD (0.10)			3.8	0.1	2.1	1.0	1.0	297	4.0

Table 2e. 2007 Performance of Full Season Maturity Group III at Warsaw, VA

Brand	Variety	Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS 1-5	SQ 1-5	SS seed/lb	Yield Bu/Ac
USG	7384nRS	RR/STS	22-sep-07	1.1	17	1	1.9	3699	23.9
Virginia	V02-8659	CONV	21-sep-07	1.1	20	0	1.7	3817	21.3
D&PL	DP3993RR	RR	27-sep-07	1.1	19	3	2.3	2973	20.0
Virginia	V02-8655	CONV	22-sep-07	1.1	20	0	1.6	3753	20.0
S.States	RT3851N	RR	24-sep-07	1.2	16	0	1.8	3677	19.9
DynaGro	SXO7339	RR	23-sep-07	1.0	15	2	1.9	2918	19.6
S.States	RT3971N	RR	25-sep-07	1.1	18	1	2.1	2927	19.5
USG	7393nRR	RR	26-sep-07	1.0	18	4	2.5	2555	19.2
S.States	RT3871N	RR	25-sep-07	1.2	17	1	1.7	3376	19.0
S.States	RT3860	RR	23-sep-07	1.1	19	1	2.3	3347	18.3
DynaGro	35G38	RR	25-sep-07	1.1	17	1	2.3	2942	18.2
Pioneer	93M95	RR	23-sep-07	1.0	18	1	2.2	3658	17.7
Virginia	V02-8657	CONV	25-sep-07	1.2	20	1	1.9	3602	16.1
Virginia	V02-7180	CONV	27-sep-07	1.0	17	1	1.8	3374	15.6
Trisoy	3874RR	RR/STS	21-sep-07	1.0	13	1	2.0	3521	15.1
Trisoy	3977RR	RR	23-sep-07	1.3	16	2	2.0	2836	13.1
Grand Average			24-Sep07	1.1	18	1	2.0	3311	18.5
R ²			0.62	0.45	0.63	0.55	0.72	0.91	0.87
CV			0.1	11.5	11.3	94	10.8	4.3	19.6
LSD (0.10)			2.1	0.2	2.4	1.4	0.25	169	4.3

Table 3a. 2007 Performance of Full Season Early Maturity Group IV at Blackstone, VA

Brand	Variety	Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS 1-5	SQ 1-5	SS seed/lb	Yield Bu/Ac
NK	S46-U6	RR	25-sep-07	1.0	28	5	3.0	3163	31.1
NK	S45-E5	RR	25-sep-07	1.0	27	4	3.3	3565	28.4
D&PL	DP4450RR	RR	27-sep-07	1.0	29	4	3.7	3484	28.4
D&PL	DP4690RR	RR	28-sep-07	1.0	26	6	3.5	3432	27.6
Progeny	4405	RR	25-sep-07	1.0	28	4	3.7	3413	26.7
S.States	RT4551N	RR	25-sep-07	1.0	25	3	3.3	3138	26.7
S.States	RT4451N	RR	25-sep-07	1.0	26	5	3.5	3443	26.6
USG	74A45	RR	25-sep-07	1.0	26	3	3.3	3105	26.5
Progeny	4206	RR	25-sep-07	1.0	22	3	3.3	2996	25.8
Progeny	4507	RR	27-sep-07	1.0	26	3	3.7	3411	25.2
D&PL	DPX4334RR	RR	25-sep-07	1.0	27	6	2.7	3020	24.8
DynaGro	32R46	RR	25-sep-07	1.0	24	4	3.0	3280	24.6
S.States	RT4440N	RR	25-sep-07	1.0	25	3	3.5	3506	24.5
S.States	RT4470N	RR/STS	25-sep-07	1.0	22	5	3.3	2940	24.4
S.States	RT4151N	RR	25-sep-07	1.0	24	2	4.0	2856	24.3
S.States	RT4370N	RR	25-sep-07	1.0	27	2	2.7	2930	24.3
Progeny	4606	RR	25-sep-07	1.0	23	3	3.0	3164	24.3
Stine	4502-4	RR/STS	25-sep-07	1.0	22	6	3.3	2977	22.4
Dyna-Gro	33A40	RR	25-sep-07	1.0	26	3	3.0	2978	21.0
Tennessee	TN054008	CONV	25-sep-07	1.0	20	4	4.0	3155	19.2
Grand Average			25-Sep-07	1.0	25	4	3.3	3198	25.3
R ²			0.40	----	0.73	0.41	0.48	0.67	0.52
CV			0.1	----	7.2	119	14.3	6.2	12.6
LSD (0.10)			1.8	----	2.5	1.3	0.7	272	4.4

Table 3b. 2007 Performance of Full Season Early Maturity Group IV at Orange, VA

Brand	Variety	Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS 1-5	SQ 1-5	SS seed/lb	Yield Bu/Ac
T.A.Seeds	TS4679R	RR	28-sep-07	1.0	24	3	2.0	3314	37.5
S.States	RT4470N	RR/STS	26-sep-07	1.0	21	3	2.0	2548	37.4
Asgrow	AG4604	RR/STS	26-sep-07	1.0	29	1	2.3	3230	37.2
Asgrow	AG4404	RR/STS	27-sep-07	1.0	26	3	1.3	3057	37.0
Pioneer	94M50	RR	26-sep-07	1.0	18	2	2.7	3235	36.8
S.States	RT4151N	RR	24-sep-07	1.0	23	2	2.3	3108	34.4
D&PL	DP4450RR	RR	25-sep-07	1.0	27	1	2.0	3804	34.3
T.A.Seeds	TS4389R	RR	26-sep-07	1.0	24	1	2.0	3291	34.0
D&PL	DP4690RR	RR	24-sep-07	1.0	24	1	2.0	3707	33.8
Tennessee	TN05-4008	CONV	24-sep-07	1.0	19	1	2.0	3363	32.6
S.States	RT4370N	RR	25-sep-07	1.0	25	3	2.0	3084	32.2
Progeny	4606	RR	28-sep-07	1.0	25	1	2.0	3365	31.8
Stine	4502-4	RR/STS	28-sep-07	1.0	23	3	2.0	3153	31.5
D&PL	DPX4334R	RR	27-sep-07	1.0	23	2	2.0	3082	31.5
S.States	RT4551N	RR	26-sep-07	1.0	25	2	2.3	3254	31.1
Progeny	4507	RR	26-sep-07	1.0	23	3	2.0	3069	30.2
S.States	RT4440N	RR	26-sep-07	1.0	23	2	2.0	3595	29.2
S.States	RT4451N	RR	24-sep-07	1.0	23	2	1.3	3997	27.6
Grand Average			26-Sep07	1.0	24	2	2.0	3292	33.3
R ²			0.71	----	0.60	0.50	0.58	0.89	0.59
CV			0.1	----	11.6	69	16.4	4.6	14.6
LSD (0.10)			1.3	----	3.8	1.9	0.5	209	6.7

Table 3c. 2007 Performance of Full Season Early Maturity Group IV at Painter, VA

Brand	Variety	Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS 1-5	SQ 1-5	SS seed/lb	Yield Bu/Ac
Dyna-Gro	32R46	RR	-----	1.0	26	5	2.5	2634	74.0
D&PL	DPX4334RR	RR	-----	1.0	30	4	2.0	2593	72.0
USG	440nSTS	STS	-----	1.0	28	11	2.5	2482	71.4
USG	74A45	RR	-----	1.0	31	6	2.5	3024	69.9
Asgrow	AG4604	RR/STS	-----	1.0	31	7	2.0	2704	69.2
Vigoro	V43N8RR	RR	-----	1.0	30	6	2.0	2643	68.5
USG	74A27	RR	-----	1.0	24	11	2.0	2700	67.6
Asgrow	AG4404	RR/STS	-----	1.0	25	13	2.3	2562	65.7
Dyna-Gro	33A40	RR	-----	1.0	29	13	2.5	2463	65.0
Stine	4502-4	RR/STS	-----	1.0	23	19	2.5	2609	64.9
D&PL	DP4450RR	RR	-----	1.0	32	7	2.8	3096	64.8
D&PL	DP4690RR	RR	-----	1.0	26	7	2.0	2792	64.6
Vigoro	V44N6RR	RR	-----	1.0	32	7	2.8	3058	63.3
Tennessee	TN05-4008	CONV	-----	1.0	23	9	2.5	2743	63.3
USG	7423nRS	RR/STS	-----	1.0	24	18	3.8	2233	59.9
Grand Average			-----	1.0	27	9	2.4	2689	66.9
R ²			-----	----	0.76	0.72	0.57	0.93	0.43
CV			-----	----	11.3	41	20.6	2.9	8.3
LSD (0.10)			-----	----	3.7	4.6	0.60	93	6.6

Table 3d. 2007 Performance of Full Season Early Maturity Group IV at Shenandoah Valley, VA

Brand	Variety	Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS 1-5	SQ 1-5	SS seed/lb	Yield Bu/Ac
S.States	RT4451N	RR	-----	1.0	29	1	1.3	3848	46.3
D&PL	DP4690RR	RR	-----	1.0	27	0	1.7	3736	45.8
S.States	RT4470N	RR/STS	-----	1.0	24	0	2.3	2570	45.7
D&PL	DPX4334RR	RR	-----	1.0	27	0	2.0	3267	45.6
Trisoy	4475RR	RR	-----	1.0	31	0	1.7	4036	45.4
D&PL	DP4450RR	RR	-----	1.0	29	0	1.3	4068	45.3
S.States	RT4370N	RR	-----	1.0	30	0	2.0	3273	43.9
S.States	RT4151N	RR	-----	1.0	29	0	2.0	2937	43.6
USG	74A27	RR	-----	1.0	25	0	1.7	3111	42.6
S.States	RT4440N	RR	-----	1.0	26	0	1.7	3710	40.9
Trisoy	4275RR	RR/STS	-----	1.0	26	0	1.7	3399	39.3
Stine	4502-4	RR/STS	-----	1.0	23	0	1.7	3351	39.1
Pioneer	94M50	RR	-----	1.0	25	0	2.0	3218	39.0
S.States	RT4551N	RR	-----	1.0	29	0	2.3	3567	38.6
Progeny	4206	RR	-----	1.0	24	0	2.3	3206	37.6
Progeny	4405	RR	-----	1.0	30	0	1.7	4052	35.6
Trisoy	4470RR	RR	-----	1.0	25	0	2.0	3705	35.5
Grand Average			-----	1.0	27	0	1.8	3474	41.8
R ²			-----	----	0.63	0.32	0.50	0.92	0.40
CV			-----	----	8.6	442	26.0	4.6	17.5
LSD(0.10)			-----	----	3.2	0.5	0.7	219	10.1

Table 3e. 2007 Performance of Full Season Early Maturity Group IV at Suffolk, VA

Brand	Variety	Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS 1-5	SQ 1-5	SS seed/lb	Yield Bu/Ac
S.States	RT4370N	RR	24-sep07	1.1	32	1	2.5	2551	41.8
NK	S46-U6	RR	02-oct-07	1.0	33	0	2.8	2469	38.8
Progeny	4507	RR	29-sep07	1.0	28	1	3.0	2339	38.8
D&PL	DPX4334R	RR	24-sep07	1.0	34	0	3.0	2526	38.2
Stine	4502-4	RR/SS	27-sep07	1.0	27	1	3.0	2393	37.1
T.A.Seeds	TS4389R	RR	25-sep07	1.1	28	0	3.3	2492	37.1
D&PL	DP4690RR	RR	27-sep07	1.0	31	1	2.3	2811	36.8
S.States	RT4451N	RR	24-sep07	1.0	30	0	3.0	2206	36.7
NK	S45-E5	RR	25-sep07	1.0	33	0	3.8	2821	36.3
S.States	RT4551N	RR	24-sep07	1.0	31	0	3.0	2596	35.1
S.States	RT4151N	RR	25-sep07	1.0	28	0	2.8	2305	34.4
Progeny	4405	RR	27-sep07	1.0	30	0	3.5	2843	33.7
Tennessee	TN05-4008	CONV	24-sep07	1.0	28	0	4.0	2718	33.6
S.States	RT4440N	RR	25-sep07	1.0	28	1	3.0	2784	33.2
Vigoro	V43N8RR	RR	25-sep07	1.0	31	0	2.8	2544	33.1
DynaGro	32R46	RR	27-sep07	1.0	27	2	3.3	2640	33.1
Progeny	4606	RR	25-sep07	1.0	26	1	3.5	2619	33.1
USG	74A27	RR	25-sep07	1.0	26	0	2.3	2607	33.1
Progeny	4206	RR	27-sep07	1.0	25	1	3.5	2396	33.0
DynaGro	33A40	RR	24-sep07	1.0	28	1	3.5	2380	33.0
S.States	RT4470N	RR/SS	24-sep07	1.0	24	2	3.3	1995	32.9
USG	440nSTS	STS	24-sep07	1.0	28	0	3.5	2460	32.7
USG	74A45	RR	24-sep07	1.0	29	0	3.5	2983	32.7
T.A.Seeds	TS4679R	RR	29-sep07	1.0	25	2	3.0	2523	32.1
Trisoy	4275RR	RR/SS	27-sep07	1.0	27	0	2.8	2625	31.9
Vigoro	V44N6RR	RR	24-sep07	1.0	30	1	3.5	2931	31.5
D&PL	DP4450RR	RR	24-sep07	1.0	30	0	3.0	2859	31.4
Trisoy	4475RR	RR	25-sep07	1.0	30	2	3.0	2879	31.2
Trisoy	4470RR	RR	24-sep07	1.0	25	0	2.5	2674	31.2
USG	7423nRS	RR/SS	24-sep07	1.0	26	0	3.8	2130	29.8
Grand Average			27-sep07	1.0	28	1	3.1	2570	34.2
R ²			0.58	0.25	0.65	0.45	0.46	0.51	0.43
CV			0.1	6.4	8.3	209	19.9	11.0	17.9
LSD (0.10)			2.8	0.1	2.8	1.3	0.7	331	7.2

Table 3f. 2007 Performance of Full Season Early Maturity Group IV at Warsaw, VA

<i>Brand</i>	<i>Variety</i>	<i>Herb Resist</i>	<i>Maturity Date</i>	<i>Lodging 1-5</i>	<i>Height in.</i>	<i>PSS 1-5</i>	<i>SQ 1-5</i>	<i>SS seed/lb</i>	<i>Yield Bu/Ac</i>
D&PL	DP4690RR	RR	30-sep07	1.0	24	1	1.8	3788	35.9
NK	S46-U6	RR	03-oct-07	1.0	23	1	2.0	3110	32.9
USG	74A27	RR	27-sep07	1.0	18	1	1.6	3504	32.9
Trisoy	4475RR	RR	29-sep07	1.1	21	4	2.0	3766	31.1
Asgrow	AG4604	RR/STS	29-sep07	1.0	22	1	1.7	3384	31.1
S.States	RT4151N	RR	27-sep07	1.0	19	2	1.7	3003	30.6
NK	S45-E5	RR	28-se07	1.0	26	1	1.4	3527	29.9
D&PL	DPX4334RR	RR	27-se07	1.1	21	1	1.7	3080	28.2
Asgrow	AG4404	RR/STS	30-sep07	1.0	19	1	1.8	3305	27.5
D&PL	DP4450RR	RR	29-sep07	1.1	21	3	1.8	3748	26.8
USG	440nSTS	STS	25-sep07	1.0	20	1	1.8	3094	26.6
S.States	RT4551N	RR	27-sep07	1.1	21	1	1.5	3192	26.4
S.States	RT4370N	RR	24-sep07	1.0	20	2	1.5	3128	26.3
USG	7423nRS	RR/STS	28-sep07	1.1	23	2	1.8	2887	26.2
Trisoy	4470RR	RR	30-sep07	1.0	18	1	2.1	3457	25.7
Trisoy	4275RR	RR/STS	25-sep07	1.0	15	1	1.5	3579	25.6
Vigoro	V43N8RR	RR	26-sep07	1.1	19	1	1.4	3102	25.1
T.A.Seeds	TS4679R	RR	05-oct-07	1.0	17	2	1.9	3144	25.0
USG	74A45	RR	27-sep07	1.1	23	3	1.7	3688	24.7
Vigoro	V44N6RR	RR	25-sep07	1.2	19	2	1.8	3705	24.6
T.A.Seeds	TS4389R	RR	28-sep07	1.0	18	2	1.7	3443	24.2
S.States	RT4470N	RR/STS	30-sep07	1.0	16	1	1.6	2945	24.0
Tennessee	TN054008	CONV	28-sep07	1.0	17	1	1.6	3542	23.7
Stine	4502-4	RR/STS	02-oct-07	1.0	19	4	2.4	3042	22.9
S.States	RT4440N	RR	24-sep07	1.0	17	2	1.9	3649	21.1
S.States	RT4451N	RR	26-sep07	1.2	18	3	1.9	3639	20.3
Pioneer	94M50	RR	30-sep07	1.0	15	3	2.0	3129	19.9
Grand Average			28-Sep07	1.0	20	2	1.7	3355	26.6
R ²			0.86	0.58	0.82	0.42	0.57	0.86	0.80
CV			0.1	7.0	8.3	82	13.1	4.1	22.9
LSD (0.10)			1.5	0.1	1.9	1.6	0.3	162	7.2

Table 4a. 2007 Performance of Double Crop Early Maturity Group IV at Blackstone, VA

Brand	Variety	Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS 1-5	SQ 1-5	SS seed/lb	Yield Bu/Ac
D&PL	DPX4334RR	RR	22-oct-07	1.0	24	1	3.0	2995	16.7
S.States	RT4451N	RR	15-oct-07	1.0	22	0	3.0	3613	15.9
Progeny	4606	RR	15-oct-07	1.0	20	0	3.0	3205	14.0
S.States	RT4151N	RR	19-oct-07	1.0	20	1	3.0	3001	13.8
S.States	RT4551N	RR	17-oct-07	1.0	23	1	3.3	3183	13.8
S.States	RT4470N	RR/STS	22-oct-07	1.0	18	0	3.0	2931	13.6
Progeny	4206	RR	22-oct-07	1.0	19	0	3.7	3252	12.8
Progeny	4405	RR	15-oct-07	1.0	21	0	3.7	3615	12.5
D&PL	DP4690RR	RR	22-oct-07	1.0	19	1	3.0	3575	12.1
Progeny	4507	RR	22-oct-07	1.0	17	1	4.0	3048	12.0
S.States	RT4370N	RR	17-oct-07	1.0	21	0	4.0	3134	11.5
D&PL	DPX4450RR	RR	15-oct-07	1.0	20	1	3.7	3594	11.2
Tennessee	TN05-4008	CONV	17-oct-07	1.0	18	0	4.0	3232	11.1
Stine	4502-4	RR/STS	22-oct-07	1.0	15	2	3.3	3468	9.8
S.States	RT4440N	RR	17-oct-07	1.0	17	2	3.0	3531	8.3
Grand Average			18-Oct07	1.0	19	1	3.4	3292	12.6
R ²			0.74	0.00	0.71	0.41	0.69	0.68	0.38
CV			0.1	0.0	9.8	119	11.1	6.4	28.4
LSD (0.10)			3.1	0.0	2.7	1.3	0.5	292	5.0

Table 4b. 2007 Performance of Double Crop Early Maturity Group IV at Painter, VA

Brand	Variety	Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS 1-5	SQ 1-5	SS seed/lb	Yield Bu/Ac
Vigoro	V43N8RR	RR	-----	1.3	30	1	2.0	3079	41.5
Stine	4502-4	RR/STS	-----	1.0	24	3	2.0	3202	40.6
NK	S46-U6	RR	-----	1.3	31	1	2.3	3407	39.4
D&PL	DPX4450RR	RR	-----	1.4	33	2	2.0	3963	39.3
D&PL	DPX4334RR	RR	-----	1.4	31	0	2.5	3084	38.5
Tennessee	TN05-4008	CONV	-----	1.4	25	1	2.8	3443	38.3
D&PL	DP4690RR	RR	-----	1.3	29	2	1.5	3706	37.8
Vigoro	V44N6RR	RR	-----	1.4	30	1	2.0	3971	37.5
NK	S45-E5	RR	-----	1.3	30	2	2.0	3280	37.2
USG	74A45	RR	-----	1.1	31	0	2.0	3637	36.9
Grand Average			-----	1.3	29	1	2.1	3477	38.7
R ²			-----	0.29	0.61	0.45	0.45	0.76	0.25
CV			-----	20.3	10.3	99	2.1	6.2	10.0
LSD (0.10)			-----	0.3	3.6	1.4	0.5	259	4.6

Table 4c. 2007 Performance of Double Crop Early Maturity Group IV at Suffolk, VA

<i>Brand</i>	<i>Variety</i>	<i>Herb Resist</i>	<i>Maturity Date</i>	<i>Lodging 1-5</i>	<i>Height in.</i>	<i>PSS 1-5</i>	<i>SQ 1-5</i>	<i>SS seed/lb</i>	<i>Yield Bu/Ac</i>
D&PL	DP4690RR	RR	14-oct-07	1.4	33	0	2.0	4065	52.2
Progeny	4606	RR	16-oct-07	1.5	29	0	3.5	3630	49.8
S.States	RT4470N	RR/SS	16-oct-07	1.5	32	0	3.0	3094	48.9
Stine	4502-4	RR/SS	16-oct-07	1.5	32	0	2.8	3424	48.9
D&PL	DPX4450RR	RR	16-oct-07	2.4	35	0	2.3	4363	48.8
Pioneer	94M50	RR	14-oct-07	1.1	29	0	3.5	3621	47.7
T.A.Seeds	TS4599R	RR	12-oct-07	1.3	30	0	2.5	3081	46.2
D&PL	DPX4334RR	RR	12-oct-07	2.3	33	0	3.3	3309	46.2
Progeny	4405	RR	16-oct-07	2.4	35	1	2.8	4248	45.3
Trisoy	4475RR(C)	RR	16-oct-07	2.6	34	0	2.3	4337	44.6
S.States	RT4440N	RR	12-oct-07	1.6	33	0	2.0	3923	44.5
Progeny	4507	RR	16-oct-07	1.9	30	0	2.8	3427	44.2
Vigoro	V44N6RR	RR	16-oct-07	2.1	27	0	2.5	4262	44.1
USG	74A45	RR	16-oct-07	2.6	37	1	2.3	4205	43.9
S.States	RT4370N	RR	14-oct-07	2.5	31	0	4.0	3329	43.9
S.States	RT4151N	RR	14-oct-07	1.8	33	0	3.3	3363	43.7
Progeny	4206	RR	12-oct-07	2.1	31	1	4.0	3403	43.5
Vigoro	V43N8RR	RR	14-oct-07	3.0	33	0	3.3	3446	43.3
S.States	RT4451N	RR	14-oct-07	2.8	36	0	2.3	4319	42.3
S.States	RT4551N	RR	10-oct-07	2.1	33	0	3.3	3966	40.9
T.A.Seeds	TS4389R	RR	12-oct-07	2.0	31	0	2.3	3756	40.2
Tennessee	TN054008	CONV	14-oct-07	2.6	27	0	4.0	4011	38.8
Grand Average			14-Oct07	2.0	32	0	2.9	3754	45.1
R ²			0.46	0.52	0.60	0.28	0.76	0.93	0.76
CV			0.1	40.2	9.1	283	15.8	3.7	7.2
LSD (0.10)			3.4	1.0	3.4	0.5	0.5	166	3.8

Table 4d. 2007 Performance of Double Crop Early Maturity Group IV at Warsaw, VA

<i>Brand</i>	<i>Variety</i>	<i>Herb Resist</i>	<i>Maturity Date</i>	<i>Lodging 1-5</i>	<i>Height in.</i>	<i>PSS 1-5</i>	<i>SQ 1-5</i>	<i>SS seed/lb</i>	<i>Yield Bu/Ac</i>
USG	74A45	RR	15-oct-07	1.3	20	0	1.7	3850	46.9
Progeny	4606	RR	19-oct-07	1.3	17	0	1.5	3396	46.3
S.States	RT4551N	RR	16-oct-07	1.2	22	0	1.9	3356	44.8
Progeny	4507	RR	18-oct-07	1.2	20	0	1.8	3294	44.0
D&PL	DPX4450RR	RR	17-oct-07	1.3	21	0	1.5	4022	43.9
Vigoro	V44N6RR	RR	16-oct-07	1.2	22	0	1.7	3875	43.9
S.States	RT4440N	RR	16-oct-07	1.3	21	0	1.5	3716	43.8
S.States	RT4370N	RR	16-oct-07	1.5	22	0	2.4	3428	43.8
NK	S45-E5	RR	16-oct-07	1.2	21	0	1.5	3450	43.6
Progeny	4405	RR	15-oct-07	1.3	21	0	1.6	3847	43.5
T.A.Seeds	TS4389R	RR	16-oct-07	1.3	19	0	1.5	3475	43.3
S.States	RT4470N	RR/STS	16-oct-07	1.1	17	0	1.8	3069	42.5
D&PL	DPX4334RR	RR	18-oct-07	1.3	22	0	2.3	3391	42.5
Pioneer	94M50	RR	18-oct-07	1.3	20	0	2.2	3418	42.3
Progeny	4206	RR	14-oct-07	1.2	21	0	1.9	3461	41.7
S.States	RT4451N	RR	16-oct-07	1.2	21	0	1.6	3899	41.5
Vigoro	V43N8RR	RR	30-sep07	1.3	23	0	2.2	3507	41.3
S.States	RT4151N	RR	16-oct-07	1.4	20	0	1.5	3168	40.6
Trisoy	4475RR(CN)	RR	16-oct-07	1.3	21	0	1.6	4055	40.4
NK	S46-U6	RR	16-oct-07	1.2	20	0	1.5	3932	40.2
Tennessee	TN05-4008	CONV	16-oct-07	1.2	17	0	1.6	3825	39.9
Stine	4502-4	RR/STS	19-oct-07	1.3	17	0	1.7	3317	39.5
D&PL	DP4690RR	RR	18-oct-07	1.1	19	0	1.5	3787	39.2
T.A.Seeds	TS4599R	RR	17-oct-07	1.3	17	0	1.5	3189	34.7
Grand Average			16-Oct07	1.3	20	0	1.7	3572	42.2
R ²			0.48	0.42	0.77	----	0.81	0.91	0.59
CV			0.1	9.4	7.2	----	9.2	3.0	7.9
LSD (0.10)			5.2	0.1	1.7	----	0.2	125	4.0

Table 5a. 2007 Performance of Full Season Late Maturity Group IV at Blackstone, VA

Brand	Variety	Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS 1-5	SQ 1-5	SS seed/lb	Yield Bu/Ac
DeltaKing	DK4968	RR	29-sep07	1.0	25	2	3.0	3369	28.8
D&PL	DPX4727RR	RR	29-sep07	1.0	26	3	3.0	3147	27.7
Progeny	4949	RR	01-oct-07	1.0	26	3	3.7	2981	25.3
Virginia	V00-2275	CONV	01-oct-07	1.0	26	2	3.3	3300	24.8
S.States	RT4808N	RR/STS	26-sep07	1.0	23	4	3.3	2983	24.8
Tennessee	TN03-12RR	RR	07-oct-07	1.0	28	3	2.3	4120	24.5
S.States	RT4996N	RR/STS	27-sep07	1.0	25	2	3.3	3356	24.3
Asgrow	AG4703	RR	27-sep07	1.0	23	3	4.0	3306	24.1
D&PL	DP4748S	STS	27-sep07	1.0	27	4	3.7	3221	24.1
S.States	RT4777N	RR	01-oct-07	1.0	27	3	2.3	3270	24.0
Progeny	4906	RR	27-sep07	1.0	23	1	4.7	3840	23.9
S.States	RT4981N	RR	01-oct-07	1.0	28	6	4.0	3444	23.8
D&PL	DP4724RR	RR	25-sep07	1.0	22	1	3.0	2988	23.7
Arkansas	UA4805	CONV	09-oct-07	1.0	23	2	2.3	4147	23.5
S.States	RT4760N	RR	25-sep07	1.0	24	3	3.0	3213	23.4
Virginia	V03-4830	CONV	07-oct-07	1.0	25	7	2.0	3746	23.4
Progeny	4807	RR	29-sep07	1.0	25	3	3.0	3221	22.8
D&PL	DP4919RR/S	RR/STS	25-sep07	1.0	28	1	3.7	3399	22.7
USG	74A91	RR	01-oct-07	1.0	26	2	4.7	3708	22.6
NK	S49-H7	RR	03-oct-07	1.0	26	0	2.7	3183	22.4
USG	7495nRS	RR/STS	28-sep07	1.0	24	2	3.3	3161	22.3
Stine	4782-4	RR/STS	25-sep07	1.0	22	6	3.7	3124	22.2
Asgrow	AG4801	RR	01-oct-07	1.0	22	2	3.7	2979	22.2
Progeny	4706	RR	25-sep07	1.0	25	3	3.0	3277	22.2
D&PL	DP4888RR/S	RR/STS	27-sep07	1.0	25	2	3.7	3472	22.1
DeltaKing	DK4866	RR/STS	26-sep07	1.0	24	3	4.0	3103	21.2
Asgrow	AG4903	RR/STS	08-oct-07	1.0	24	4	3.7	3188	20.2
Grand Average			29-Sep07	1.0	25	3	3.3	3342	23.6
R ²			0.67	----	0.53	0.56	0.75	0.85	0.4
CV			0.1	----	9.0	60	14.4	4.9	15.2
LSD (0.10)			5.2	----	3.1	2.4	0.7	222	4.9

Table 5b. 2007 Performance of Full Season Late Maturity Group IV at Orange, VA

<i>Brand</i>	<i>Variety</i>	<i>Herb Resist</i>	<i>Maturity Date</i>	<i>Lodging 1-5</i>	<i>Height in.</i>	<i>PSS 1-5</i>	<i>SQ 1-5</i>	<i>SS seed/lb</i>	<i>Yield Bu/Ac</i>
D&PL	DP4748S	STS	03-oct-07	1.2	31	1	2.0	3062	41.6
D&PL	DPX4727RR	RR	03-oct-07	1.0	26	1	2.0	3354	38.5
Asgrow	AG4903	RR/STS	03-oct-07	1.0	26	2	1.7	3641	38.2
S.States	RT4760N	RR	03-oct-07	1.0	25	6	3.0	3253	36.7
Asgrow	AG4801	RR	03-oct-07	1.0	24	1	3.0	2832	36.7
Progeny	4706	RR	03-oct-07	1.0	25	3	3.0	3316	36.2
D&PL	DP4919RR/S	RR/STS	03-oct-07	1.0	30	0	1.7	3470	35.3
Asgrow	AG4703	RR	03-oct-07	1.0	23	4	2.7	3056	35.3
D&PL	DP4724RR	RR	03-oct-07	1.0	24	1	2.7	3175	34.7
Pioneer	94M80	RR	03-oct-07	1.2	28	4	2.0	3233	34.7
Virginia	V00-2275	CONV	03-oct-07	1.0	26	2	3.0	3732	33.0
S.States	RT4996N	RR/STS	03-oct-07	1.3	29	0	3.0	3398	32.3
S.States	RT4777N	RR	03-oct-07	1.0	27	1	2.3	3376	32.3
Tennessee	TN03-12RR	RR	03-oct-07	1.5	37	1	2.0	4642	32.2
Stine	4782-4	RR/STS	03-oct-07	1.0	23	0	3.0	3497	31.7
S.States	RT4808N	RR/STS	03-oct-07	1.0	25	1	2.0	3380	31.7
Arkansas	UA4805	CONV	03-oct-07	1.0	29	0	2.0	4788	31.5
D&PL	DP4888RR/S	RR/STS	03-oct-07	1.0	29	1	2.0	3351	31.4
S.States	RT4981N	RR	03-oct-07	1.2	29	1	2.7	3645	29.1
Virginia	V03-4830	CONV	03-oct-07	1.8	27	0	2.0	4381	26.4
Grand Average			03-Oct07	1.1	27	2	2.4	3529	34.0
R ²			0.29	0.61	0.76	0.64	0.73	0.93	0.45
CV			0.1	19.5	8.44	91	15.9	5.1	14.1
LSD (0.10)			0.72	0.3	3.1	1.9	0.5	245	6.6

Table 5c. 2007 Performance of Full Season Late Maturity Group IV at Painter, VA

Brand	Variety	Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS 1-5	SQ 1-5	SS seed/lb	Yield Bu/Ac
Arkansas	UA4805	CONV	-----	1.0	26	1	2.0	3370	78.6
USG	74F96	RR	-----	1.0	33	4	2.3	2696	78.2
Asgrow	AG4903	RR/STS	-----	1.0	31	3	2.3	2715	77.9
D&PL	DP4724RR	RR	-----	1.2	31	6	2.0	2605	75.6
S.States	RT4996N	RR/STS	-----	1.7	35	5	2.0	2720	75.6
USG	74A76	RR	-----	1.3	31	12	3.3	2530	74.5
Virginia	V00-2275	CONV	-----	1.0	34	8	2.5	2779	74.1
D&PL	DP4748S	STS	-----	1.8	34	8	1.7	2580	73.2
Stine	4782-4	RR/STS	-----	1.0	25	7	2.8	2604	72.7
USG	7495nRS	RR/STS	-----	1.7	37	6	1.7	2615	72.2
S.States	RT4808N	RR/STS	-----	1.3	30	5	2.0	2758	72.1
D&PL	DP4888RR/S	RR/STS	-----	1.6	33	4	2.0	2747	72.0
Tennessee	TN03-12RR	RR	-----	1.8	30	0	2.0	3502	72.0
S.States	RT4981N	RR	-----	1.4	34	9	2.0	2881	71.5
D&PL	DP4919RR/S	RR/STS	-----	1.8	38	5	1.5	2736	71.0
Asgrow	AG4801	RR	-----	1.2	29	6	2.3	2468	70.6
D&PL	DPX4727RR	RR	-----	1.0	30	9	2.0	2786	69.7
Virginia	V03-4830	CONV	-----	1.2	27	2	2.0	2901	69.4
USG	74A91	RR	-----	1.3	33	7	2.3	2927	69.1
Vigoro	V49N6RR	RR	-----	1.3	31	11	7.8	2742	67.0
Pioneer	94M80	RR	-----	1.2	29	10	2.0	2666	67.0
S.States	RT4760N	RR	-----	1.0	32	18	2.7	2578	65.1
S.States	RT4777N	RR	-----	1.1	30	10	2.0	2725	64.9
Vigoro	V47N8RR	RR	-----	1.0	27	7	2.0	2828	64.8
Asgrow	AG4703	RR	-----	1.0	26	7	2.0	2606	64.5
USG	74D77	RR	-----	1.3	31	12	2.0	2758	62.7
Grand Average			-----	1.3	31	7	2.3	2762	71
R ²			-----	0.53	0.57	0.75	0.34	0.93	0.63
CV			-----	26.2	12.0	46	81	2.7	8.0
LSD (0.10)			-----	0.4	4.3	3.8	2.2	88	6.7

Table 5d. 2007 Performance of Full Season Late Maturity Group IV at Shenandoah Valley, VA

<i>Brand</i>	<i>Variety</i>	<i>Herb Resist</i>	<i>Maturity Date</i>	<i>Lodging 1-5</i>	<i>Height in.</i>	<i>PSS 1-5</i>	<i>SQ 1-5</i>	<i>SS seed/lb</i>	<i>Yield Bu/Ac</i>
D&PL	DP4888RR/S	RR/STS	-----	1.0	33	0	2.3	3546	46.8
D&PL	DP4919RR/S	RR/STS	-----	1.3	32	0	2.3	3436	44.8
D&PL	DP4748S	STS	-----	1.3	33	0	2.7	2994	44.8
D&PL	DP4724RR	RR	-----	1.2	31	0	8.7	3361	44.2
S.States	RT4760N	RR	-----	1.5	31	0	2.0	3702	42.5
D&PL	DPX4727RR	RR	-----	1.0	30	0	2.0	3496	42.0
S.States	RT4777N	RR	-----	1.0	30	0	2.3	3353	40.1
Stine	4782-4	RR/STS	-----	1.0	26	0	2.0	3559	40.0
S.States	RT4996N	RR/STS	-----	1.3	35	0	2.0	3430	39.9
S.States	RT4808N	RR/STS	-----	1.2	32	1	2.0	3626	39.3
Trisoy	4760RR	RR/STS	-----	1.2	28	0	3.0	3715	39.3
Tennessee	TN03-12RR	RR	-----	2.2	34	0	1.7	4481	35.3
S.States	RT4981N	RR	-----	1.2	36	0	1.3	3552	34.4
Arkansas	UA4805	CONV	-----	2.0	31	0	1.3	4685	34.2
Grand Average			-----	1.3	31	0	2.5	3638	40.5
R ²			-----	0.70	0.55	0.51	0.36	0.95	0.63
CV			-----	22.5	9.8	292	123	3.8	11.6
LSD (0.10)			-----	0.4	4.2	0.5	4.4	192	6.5

Table 5e. 2007 Performance of Full Season Late Maturity Group IV at Suffolk, VA

Brand	Variety	Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS 1-5	SQ 1-5	SS seed/lb	Yield Bu/Ac
DeltaKing	DK4968	RR	01-oct-07	1.9	39	1	2.8	2919	54.3
USG	74A91	RR	01-oct-07	1.4	36	1	2.8	3068	52.0
D&PL	DP4724RR	RR	01-oct-07	1.3	34	1	2.5	2521	50.4
D&PL	DP4748S	STS	01-oct-07	2.0	43	0	2.0	2596	50.0
Virginia	V00-2275	CONV	01-oct-07	1.1	35	0	2.5	2763	48.5
Pioneer	94M80	RR	01-oct-07	1.1	36	1	3.3	2482	47.8
USG	74D77	RR	01-oct-07	1.3	35	1	2.5	2717	47.8
Vigoro	V49N6RR	RR	01-oct-07	1.5	36	3	2.5	2782	47.8
USG	74F96	RR	01-oct-07	1.3	36	3	2.3	2921	47.6
Progeny	4807	RR	01-oct-07	1.3	37	0	2.5	2731	46.6
Virginia	V03-4830	CONV	02-oct-07	2.0	33	0	2.3	3386	45.6
Progeny	4706	RR	01-oct-07	1.3	34	2	2.5	2535	44.3
D&PL	DPX4727RR	RR	02-oct-07	1.1	35	1	2.5	2669	44.1
S.States	RT4996N	RR/STS	02-oct-07	1.4	36	1	3.0	2733	43.7
Vigoro	V47N8RR	RR	01-oct-07	1.3	34	0	2.8	2830	43.3
Trisoy	4760RR	RR/STS	01-oct-07	1.0	28	1	3.0	2596	42.5
Stine	4782-4	RR/STS	01-oct-07	1.0	27	2	3.3	2637	42.1
S.States	RT4808N	RR/STS	02-oct-07	1.3	33	0	3.3	2750	42.0
S.States	RT4981N	RR	01-oct-07	1.1	36	1	2.5	3172	41.6
S.States	RT4777N	RR	01-oct-07	1.5	35	1	3.3	2740	40.9
D&PL	DP4888RR/S	RR/STS	01-oct-07	1.0	36	1	4.0	2893	40.9
D&PL	DP4919RR/S	RR/STS	01-oct-07	1.3	39	0	2.5	2833	40.7
DeltaKing	DK4866	RR/STS	01-oct-07	1.0	31	2	3.0	2777	40.6
Asgrow	AG4801	RR	01-oct-07	1.0	29	1	3.0	2536	40.3
NK	S49-H7	RR	01-oct-07	1.1	32	0	10.0	2794	39.8
Tennessee	TN03-12RR	RR	02-oct-07	2.3	36	0	2.3	3838	39.8
Progeny	4906	RR	01-oct-07	1.1	34	2	4.0	3119	39.5
Asgrow	AG4903	RR/STS	01-oct-07	1.0	33	1	2.8	2861	38.8
Arkansas	UA4805	CONV	01-oct-07	1.6	106	0	3.0	3882	38.8
USG	74A76	RR	01-oct-07	1.0	30	1	2.3	2490	38.4
Asgrow	AG4703	RR	01-oct-07	1.1	27	1	2.3	2629	37.1
Progeny	4949	RR	01-oct-07	1.1	33	1	2.8	2391	36.2
USG	7495nRS	RR/STS	01-oct-07	1.4	34	1	2.8	2786	35.6
S.States	RT4760N	RR	01-oct-07	1.0	31	1	2.8	2658	35.4
Grand Average			01-Oct07	1.3	36	1	3.0	2825	43.1
R ²				0.29	0.53	0.26	0.55	0.27	0.33
CV				0.1	29.0	71.9	169	91	4.5
LSD (0.10)				1.5	0.4	30.4	1.6	3.2	154

Table 5f. 2007 Performance of Full Season Late Maturity Group IV at Warsaw, VA

Brand	Variety	Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS 1-5	SQ 1-5	SS seed/lb	Yield Bu/Ac
Asgrow	AG4903	RR/STS	19-sep07	1.1	22	1	1.5	3209	27.2
Progeny	4807	RR	24-sep07	1.0	21	1	1.6	3419	25.5
USG	74F96	RR	28-sep07	1.1	21	1	1.8	3245	24.8
S.States	RT4777N	RR	24-sep07	1.0	19	1	1.7	3392	24.4
NK	S49-H7	RR	27-sep07	1.2	19	1	1.4	3421	23.5
D&PL	DP4888RR/S	RR/STS	24-sep07	1.1	22	1	1.7	3391	23.5
Vigoro	V49N6RR	RR	26-sep07	1.1	16	3	2.0	3357	22.7
Asgrow	AG4801	RR	24-sep07	1.0	19	0	1.9	3155	22.3
S.States	RT4808N	RR/STS	26-sep07	1.2	17	1	1.7	3361	22.2
Virginia	V03-4830	CONV	27-sep07	1.0	15	1	1.4	3766	21.9
USG	74A91	RR	27-sep07	1.1	18	0	1.7	3653	21.2
USG	7495nRS	RR/STS	27-sep07	1.0	17	1	1.7	3172	21.1
D&PL	DP4748S	STS	24-sep07	1.1	21	1	1.7	3072	21.0
D&PL	DP4919RR/S	RR/STS	24-sep07	1.1	23	0	1.4	3392	21.0
DeltaKing	DK4968	RR	16-sep07	1.2	21	0	1.4	3590	20.7
USG	74D77	RR	23-sep07	1.0	19	2	1.8	3382	20.5
Vigoro	V47N8RR	RR	24-sep07	1.0	19	1	2.0	3405	20.4
Asgrow	AG4703	RR	23-sep07	1.1	16	2	2.0	3452	20.3
D&PL	DP4724RR	RR	15-sep07	1.1	21	2	1.8	3270	20.3
Progeny	4906	RR	26-sep07	1.1	18	1	1.6	3710	20.0
S.States	RT4981N	RR	28-sep07	1.0	19	1	1.7	3326	19.8
DeltaKing	DK4866	RR/STS	25-sep07	1.1	18	0	1.7	3430	19.5
Pioneer	94M80	RR	23-sep07	1.0	20	1	1.6	3419	19.2
Arkansas	UA4805	CONV	27-sep07	1.0	15	0	1.6	3790	18.7
D&PL	DPX4727RR	RR	24-sep07	1.0	21	2	2.0	3410	18.2
Progeny	4949	RR	26-sep07	1.1	20	2	2.0	2790	18.1
S.States	RT4996N	RR/STS	27-sep07	1.1	15	0	1.7	3287	18.0
Tennessee	TN03-12RR	RR	28-sep07	1.0	17	1	1.6	3743	17.5
S.States	RT4760N	RR	22-sep07	1.0	19	3	2.1	3294	17.2
Stine	4782-4	RR/STS	26-sep07	1.0	16	2	1.7	3260	17.1
USG	74A76	RR	23-sep07	1.0	18	1	2.1	3292	17.1
Virginia	V00-2275	CONV	24-sep07	1.0	18	1	1.9	3446	16.6
Trisoy	4760RR	RR/STS	25-sep07	1.0	15	0	1.7	3413	15.5
Grand Average			24-sep07	1.1	19	1	1.7	3385	20.5
R ²			0.92	0.53	0.72	0.34	0.57	0.73	0.80
CV			0.1	7.4	9.5	122	8.2	4.6	22.5
LSD (0.10)			5.8	0.1	2.1	1.4	0.2	184	5.4

Table 6a. 2007 Performance of Double Crop Late Maturity Group IV at Blackstone, VA									
Brand	Variety	Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS 1-5	SQ 1-5	SS seed/lb	Yield Bu/Ac
DeltaKing	DK4968	RR	22-oct-07	1.0	21	0	3.7	3449	20.4
Virginia	V03-4830	CONV	22-oct-07	1.0	21	1	3.0	3662	18.3
Clark	CL49	RR	22-oct-07	1.0	24	0	2.7	3366	18.3
Virginia	V00-2275	CONV	22-oct-07	1.0	22	1	3.7	3408	16.7
Asgrow	AG4903	RR/STS	22-oct-07	1.0	21	2	3.0	3020	16.7
Progeny	4949	RR	22-oct-07	1.0	22	0	3.0	2816	16.4
D&PL	DP4724RR	RR	22-oct-07	1.0	21	3	3.0	2994	16.1
D&PL	DPX4727RR	RR	22-oct-07	1.0	22	1	3.0	3114	16.0
S.States	RT4996N	RR/STS	22-oct-07	1.0	22	2	3.3	3140	14.9
D&PL	DP4748S	STS	22-oct-07	1.0	25	1	3.3	3191	14.8
Stine	4782-4	RR/STS	22-oct-07	1.0	18	2	2.7	3105	14.8
Tennessee	TN03-12RR	RR	22-oct-07	1.0	22	2	2.7	4080	14.6
Progeny	4706	RR	22-oct-07	1.0	22	3	3.3	3170	14.6
S.States	RT4808N	RR/STS	22-oct-07	1.0	17	1	3.7	3160	13.7
Progeny	4906	RR	22-oct-07	1.0	18	0	3.0	3531	13.5
Progeny	4807	RR	22-oct-07	1.0	21	1	3.0	3132	13.1
S.States	RT4760N	RR	22-oct-07	1.0	22	0	2.7	3303	12.4
D&PL	DP4919RR/S	RR/STS	22-oct-07	1.0	26	2	3.0	3307	11.8
S.States	RT4981N	RR	22-oct-07	1.0	20	2	2.7	3401	11.8
S.States	RT4777N	RR	22-oct-07	1.0	22	1	3.0	3246	11.0
DeltaKing	DK4866	RR/STS	22-oct-07	1.0	19	0	3.7	3182	9.9
D&PL	DP4888RR	RR/STS	22-oct-07	1.0	22	0	3.0	3369	9.2
Grand Average			22-Oct07	1.0	21	1	3.1	3279	14.5
R ²			----	----	0.73	0.47	0.65	0.90	0.53
CV			----	----	8.1	97	12.3	3.2	27.3
LSD (0.10)			----	----	2.4	1.6	0.5	146	5.4

Table 6b. 2007 Performance of Double Crop Late Maturity Group IV at Painter, VA

<i>Brand</i>	<i>Variety</i>	<i>Herb Resist</i>	<i>Maturity Date</i>	<i>Lodging 1-5</i>	<i>Height in.</i>	<i>PSS 1-5</i>	<i>SQ 1-5</i>	<i>SS seed/lb</i>	<i>Yield Bu/Ac</i>
USG	7495nRS	RR/STS	-----	1.6	35	2	1.8	3166	43.8
Asgrow	AG4903	RR/STS	-----	1.1	33	1	1.3	3255	43.6
Vigoro	V49N6RR	RR	-----	1.4	32	1	2.0	3165	43.4
Virginia	V00-2275	CONV	-----	1.4	32	1	2.3	3184	43.1
USG	74D77	RR	-----	1.3	34	1	2.0	3146	42.5
D&PL	DPX4727RR	RR	-----	1.3	31	1	2.0	3228	42.3
Vigoro	V47N8RR	RR	-----	1.3	32	1	2.0	3127	42.3
S.States	RT4996N	RR/STS	-----	1.8	33	1	1.0	3195	42.0
D&PL	DP4919RR/S	RR/STS	-----	1.9	39	1	2.0	3146	41.8
D&PL	DP4888RR	RR/STS	-----	1.6	34	2	2.0	3306	41.8
USG	74F96	RR	-----	1.0	31	1	1.8	3408	41.2
Stine	4782-4	RR/STS	-----	1.0	27	2	2.0	3233	41.1
USG	74A91	RR	-----	1.1	30	1	1.8	3451	40.7
D&PL	DP4748S	STS	-----	1.8	34	2	2.3	2998	40.4
D&PL	DP4724RR	RR	-----	1.3	33	1	2.0	3023	39.4
USG	74A76	RR	-----	1.5	36	1	2.0	3298	39.1
Tennessee	TN03-12RR	RR	-----	2.1	32	1	1.5	3540	37.7
Clark	CL49	RR	-----	1.5	34	1	2.0	3068	37.5
Virginia	V03-4830	CONV	-----	1.9	31	1	2.0	3570	34.6
S.States	RT4981N	RR	-----	1.3	33	1	2.0	3208	33.5
Grand Average			-----	1.4	33	1	1.9	3236	40.6
R ²			-----	0.58	0.60	0.21	0.49	0.59	0.47
CV			-----	21.8	8.9	96	19.3	4.8	9.6
LSD (0.10)			-----	0.4	3.4	1.2	0.4	184	4.6

Table 6c. 2007 Performance of Double Crop Late Maturity Group IV at Suffolk, VA

Brand	Variety	Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS 1-5	SQ 1-5	SS seed/lb	Yield Bu/Ac
DeltaKing	DK4968	RR	16-oct-07	2.6	40	0	2.3	3753	47.1
D&PL	DPX4727RR	RR	16-oct-07	1.9	40	0	2.0	3680	46.0
S.States	RT4777N	RR	17-oct-07	2.5	37	0	2.0	3490	45.3
USG	74F96	RR	16-oct-07	1.4	39	0	1.5	3513	44.7
Progeny	4807	RR	16-oct-07	3.0	38	0	2.3	3638	43.7
Progeny	4949	RR	16-oct-07	2.5	40	0	2.0	2850	43.6
Vigoro	V49N6RR	RR	17-oct-07	2.0	38	0	2.0	3583	43.5
USG	7495nRS	RR/STS	17-oct-07	3.4	39	0	1.8	3614	42.7
D&PL	DP4724RR	RR	16-oct-07	2.4	37	0	2.0	3704	42.6
Pioneer	94B73	RR	16-oct-07	1.9	36	0	1.8	3562	42.1
USG	74D77	RR	16-oct-07	2.6	36	0	2.3	3646	41.9
USG	74A76	RR	16-oct-07	3.6	38	0	2.0	3817	41.2
Virginia	V00-2275	CONV	16-oct-07	1.8	36	0	2.8	3586	41.1
S.States	RT4808N	RR/STS	16-oct-07	2.0	40	0	2.0	3966	40.9
Trisoy	4760RR(CN)	RR/STS	16-oct-07	1.6	32	0	2.3	3757	40.6
Progeny	4706	RR	16-oct-07	3.0	37	0	2.0	3995	40.3
Vigoro	V47N8RR	RR	16-oct-07	2.0	34	0	2.3	3711	40.1
Progeny	4906	RR	16-oct-07	1.5	37	0	1.8	3784	40.1
Pioneer	94M80	RR	16-oct-07	2.3	38	0	2.0	3620	39.5
D&PL	DP4888RR	RR/STS	16-oct-07	2.4	40	0	2.0	3701	39.4
Asgrow	AG4903	RR/STS	17-oct-07	1.9	39	0	1.8	3744	39.4
DeltaKing	DK4866	RR/STS	16-oct-07	2.3	36	0	2.0	3961	39.3
Stine	4782-4	RR/STS	16-oct-07	1.5	30	0	2.0	3860	39.2
S.States	RT4760N	RR	16-oct-07	3.0	38	0	1.8	3983	38.9
D&PL	DP4748S	STS	16-oct-07	3.0	43	0	2.0	3278	37.5
USG	74A91	RR	16-oct-07	2.3	37	0	2.0	4015	37.1
D&PL	DP4919RR/S	RR/STS	16-oct-07	2.6	41	0	2.0	3760	37.1
S.States	RT4996N	RR/STS	16-oct-07	2.5	39	0	1.5	3845	36.8
Clark	CL49	RR	16-oct-07	2.6	43	0	1.8	3703	36.5
Virginia	V03-4830	CONV	16-oct-07	3.5	34	0	2.0	4206	35.5
S.States	RT4981N	RR	16-oct-07	2.5	42	0	2.0	3817	35.2
Tennessee	TN03-12RR	RR	16-oct-07	2.8	34	0	2.3	4255	32.3
Grand Average			16-Oct07	2.4	38	0	2.0	3731	40
R ²			0.33	0.55	0.70	----	0.48	0.88	0.65
CV			0.1	31.0	7.0	----	17.1	3.7	11.3
LSD (0.10)			1.4	0.9	3.1	----	0.4	163	5.4

Table 6d. 2007 Performance of Double Crop Late Maturity Group IV at Warsaw, VA

<i>Brand</i>	<i>Variety</i>	<i>Herb Resist</i>	<i>Maturity Date</i>	<i>Lodging 1-5</i>	<i>Height in.</i>	<i>PSS 1-5</i>	<i>SQ 1-5</i>	<i>SS seed/lb</i>	<i>Yield Bu/Ac</i>
D&PL	DP4888RR	RR/STS	21-oct-07	1.3	23	0	1.7	4216	48.3
Vigoro	V49N6RR	RR	19-oct-07	1.3	23	0	1.7	4063	47.9
Virginia	V03-4830	CONV	23-oct-07	1.2	21	0	1.4	4011	47.8
Progeny	4706	RR	18-oct-07	1.2	24	0	1.9	4147	47.6
D&PL	DP4919RR/S	RR/STS	19-oct-07	1.4	23	0	1.7	4176	47.4
Tennessee	TN03-12RR	RR	23-oct-07	1.2	20	0	1.5	4063	46.6
USG	74F96	RR	23-oct-07	1.3	23	0	1.6	3983	46.4
Progeny	4906	RR	20-oct-07	1.2	21	0	1.6	4185	45.6
S.States	RT4808N	RR/STS	19-oct-07	1.3	20	0	1.9	4253	45.2
Pioneer	94M80	RR	18-oct-07	1.1	22	0	1.9	4243	45.1
USG	7495nRS	RR/STS	22-oct-07	1.3	21	0	1.7	4073	45.0
USG	74A76	RR	18-oct-07	1.4	22	0	1.6	4185	45.0
Progeny	4807	RR	20-oct-07	1.1	22	0	1.6	4208	44.7
Virginia	V00-2275	CONV	18-oct-07	1.0	21	0	2.2	4047	44.1
D&PL	DP4748S	STS	19-oct-07	1.4	23	0	2.0	4179	43.7
Progeny	4949	RR	20-oct-07	1.4	21	0	2.0	4244	43.4
Pioneer	94B73	RR	17-oct-07	1.2	21	0	1.9	4156	43.1
S.States	RT4996N	RR/STS	20-oct-07	1.1	21	0	1.6	4137	42.8
S.States	RT4760N	RR	18-oct-07	1.2	23	0	1.7	4148	42.7
S.States	RT4777N	RR	20-oct-07	1.2	23	0	1.8	4254	42.5
D&PL	DPX4727RR	RR	20-oct-07	1.1	21	0	1.7	4195	42.2
Asgrow	AG4903	RR/STS	22-oct-07	1.4	21	0	1.7	4059	42.2
Stine	4782-4	RR/STS	22-oct-07	1.3	18	0	1.8	4120	42.0
USG	74A91	RR	21-oct-07	1.1	19	0	1.7	4166	41.4
Trisoy	4760RR(CN)	RR/STS	20-oct-07	1.1	18	0	1.7	4101	41.4
Clark	CL49	RR	22-oct-07	1.3	22	0	1.7	4063	41.2
S.States	RT4981N	RR	22-oct-07	1.3	22	0	1.4	4019	41.0
USG	74D77	RR	19-oct-07	1.3	20	0	1.7	4244	40.3
Vigoro	V47N8RR	RR	19-oct-07	1.1	22	0	1.7	4283	38.3
D&PL	DP4724RR	RR	18-oct-07	1.2	19	0	1.6	4128	36.5
Grand Average			20-Oct07	1.2	21	0	1.7	4145	43.7
R ²			0.91	0.56	0.68	----	0.56	0.73	0.72
CV			0.1	9.4	7.2	----	10.4	1.6	8.9
LSD (0.10)			0.79	0.1	1.8	----	0.2	79	4.6

Table 7a. 2007 Performance of Full Season Maturity Group V at Blackstone, VA

<i>Brand</i>	<i>Variety</i>	<i>Herb Resist</i>	<i>Maturity Date</i>	<i>Lodging 1-5</i>	<i>Height in.</i>	<i>PSS 1-5</i>	<i>SQ 1-5</i>	<i>SS seed/lb</i>	<i>Yield Bu/Ac</i>
D&PL	DP5915RR	RR	15-oct-07	1.0	30	0	1.7	3213	30.0
Pioneer	95M82	RR	15-oct-07	1.0	27	0	2.0	3605	26.2
Progeny	5507	RR	15-oct-07	1.0	25	1	3.7	2852	25.9
Virginia	V03-0293	RR	15-oct-07	1.0	22	0	1.3	3711	25.3
NK	S59-B8	RR	19-oct-07	1.0	28	1	2.3	3372	24.5
Virginia	V01-1693	RR	15-oct-07	1.0	25	1	3.3	4080	24.1
D&PL	DP5634RR	RR	15-oct-07	1.0	31	1	3.0	3117	23.9
Virginia	V01-1702	RR	17-oct-07	1.0	26	3	5.0	3267	23.6
S.States	RT5760N	RR	15-oct-07	1.0	29	2	3.3	3194	23.3
USG	75M16	RR	15-oct-07	1.0	26	4	3.7	3557	23.2
Virginia	V01-2245	CONV	17-oct-07	1.0	25	1	2.3	3718	22.9
Asgrow	AG5905	RR	15-oct-07	1.0	31	0	1.7	3615	22.5
S.States	RT5540N	RR	15-oct-07	1.0	31	1	2.7	3493	22.1
Stine	5482-4	RR/STS	15-oct-07	1.0	25	2	4.3	2906	20.8
Progeny	5407	RR	15-oct-07	1.0	26	7	3.7	2938	20.4
Public	Hutcheson	CONV	15-oct-07	1.0	25	2	2.7	3476	20.2
DeltaKing	DK5368	RR	15-oct-07	1.0	28	0	2.3	3055	20.0
D&PL	DP5110S	STS	15-oct-07	1.0	30	2	3.0	3484	20.0
Arkansas	R98-1821	CONV	17-oct-07	1.0	23	6	4.7	3767	19.6
Virginia	V98-9005	CONV	17-oct-07	1.0	24	1	3.0	2943	19.3
D&PL	DP5414RR	RR	15-oct-07	1.0	27	0	2.0	3300	19.2
Pioneer	95M50	RR/STS	15-oct-07	1.0	29	1	2.3	3019	19.1
S.States	RT5471N	RR/STS	15-oct-07	1.0	25	1	1.3	3578	19.0
Arkansas	Ozark	CONV	15-oct-07	1.0	28	1	2.7	3586	18.7
USG	7553nRS	RR/STS	17-oct-07	1.0	29	2	3.0	3753	18.5
Progeny	5307	RR	15-oct-07	1.0	26	5	5.3	2994	18.4
D&PL	DP5335RR/S	RR/STS	15-oct-07	1.0	26	4	3.3	2623	18.3
Asgrow	AG5605	RR/STS	15-oct-07	1.0	26	2	1.7	3694	18.1
NK	S53-A1	RR	15-oct-07	1.0	24	1	3.0	3259	18.1
Progeny	5115	RR	15-oct-07	1.0	27	2	3.7	3503	17.8
Virginia	V98-2711	CONV	15-oct-07	1.0	24	1	2.7	3876	17.3
Public	Teejay	CONV	15-oct-07	1.0	25	0	3.3	2918	17.1
S.States	RT5160N	RR/STS	15-oct-07	1.0	25	3	2.7	3467	16.8
D&PL	DP5914RR	RR	15-oct-07	1.0	24	1	3.0	3153	16.4
D&PL	DP5115RR/S	RR/STS	15-oct-07	1.0	29	2	3.7	3520	15.9
DynaGro	36Y48	RR	15-oct-07	1.0	24	1	3.7	3097	14.9
DeltaKing	DK5066	RR	15-oct-07	1.0	25	2	3.3	2977	14.7
Progeny	5207	RR	17-oct-07	1.0	25	1	4.0	3061	11.3
Grand Average			15-Oct-07	1.0	26	2	3.0	3335	20.2
R ²			0.47	----	0.75	0.63	0.68	0.92	0.52
CV			0.1	----	6.4	88	35.3	3.7	22.2
LSD (0.10)			2.2	----	2.3	2.0	1.4	166	6.1

Table 7b. 2007 Performance of Full Season Maturity Group V at Orange, VA

<i>Brand</i>	<i>Variety</i>	<i>Herb Resist</i>	<i>Maturity Date*</i>	<i>Lodging 1-5</i>	<i>Height in.</i>	<i>PSS 1-5</i>	<i>SQ 1-5</i>	<i>SS seed/lb</i>	<i>Yield Bu/Ac</i>
Virginia	V01-2245	CONV	03-oct-07	1.3	32	0	2.0	4329	36.3
Arkansas	R98-1821	CONV	-----	1.2	33	1	2.0	4218	32.2
Virginia	V98-9005	CONV	03-oct-07	1.8	30	0	2.7	3373	31.5
Public	Hutcheson	CONV	03-oct-07	1.5	32	0	2.0	3645	30.9
Virginia	V98-2711	CONV	03-oct-07	3.3	30	0	2.3	4386	30.4
D&PL	DP5335RR/S	RR/STS	03-oct-07	1.0	31	0	2.3	3042	30.4
Asgrow	AG5605	RR/STS	-----	2.7	35	1	2.3	4605	30.3
Stine	5482-4	RR/STS	-----	1.0	32	1	2.7	3625	30.2
D&PL	DP5914RR	RR	-----	1.5	36	2	2.0	3809	29.3
Asgrow	AG5301	RR	-----	2.5	35	1	2.0	4485	28.7
Arkansas	Ozark	CONV	-----	2.5	32	0	2.7	4012	28.3
D&PL	DP5110S	STS	03-oct-07	1.3	34	0	2.0	3877	27.6
Virginia	V01-1702	RR	03-oct-07	1.3	32	1	2.0	3983	27.6
D&PL	DP5115RR/S	RR/STS	03-oct-07	1.0	32	0	2.7	3915	26.7
Public	Teejay	CONV	03-oct-07	1.5	29	0	3.0	3634	26.3
D&PL	DP5915RR	RR	-----	2.5	37	0	2.0	3774	26.2
D&PL	DP5634RR	RR	-----	2.8	37	0	3.0	3460	26.1
Virginia	V01-1693	RR	-----	1.2	32	1	2.0	4442	25.6
D&PL	DP5414RR	RR	-----	2.3	36	0	2.0	3683	25.5
Virginia	V03-0293	RR	-----	1.2	31	0	2.0	4816	24.4
S.States	RT5160N	RR/STS	03-oct-07	2.2	31	2	2.0	4231	24.1
Grand Average			03-Oct-07	1.8	33	1	2.3	3969	28.5
R ²			----	0.81	0.64	0.57	0.67	0.94	0.47
CV			----	25.1	7.3	120	14.0	3.5	15.4
LSD (0.10)			----	0.6	3.3	1.0	0.4	193	6.1

* Plots without a maturity date were terminated by frost before R8

Table 7c. 2007 Performance of Full Season Maturity Group V at Painter, VA

Brand	Variety	Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS 1-5	SQ 1-5	SS seed/lb	Yield Bu/Ac
Arkansas	Ozark	CONV	-----	1.7	30	1	2.7	2719	78.8
Dyna-Gro	36Y48	RR	-----	2.7	37	2	1.7	2553	78.7
Public	Teejay	CONV	-----	1.1	29	0	2.3	2484	74.6
Asgrow	AG5605	RR/STS	-----	1.7	33	1	1.0	3717	74.4
Virginia	V01-1702	RR	-----	1.6	28	1	1.8	2946	74.1
S.States	RT5160N	RR/STS	-----	1.3	28	0	2.3	3013	73.8
D&PL	DP5634RR	RR	-----	2.6	33	0	1.5	2754	73.6
Virginia	V98-9005	CONV	-----	1.0	26	1	1.3	2412	73.3
USG	5601T	CONV	-----	1.0	28	0	1.8	2944	72.4
USG	7553nRS	RR/STS	-----	1.2	30	0	2.0	3626	72.2
S.States	RT5760N	RR	-----	1.1	30	2	1.8	2687	72.1
USG	75M16	RR	-----	1.0	28	1	2.3	2855	71.5
D&PL	DP5335RR/S	RR/STS	-----	1.4	36	3	3.0	2520	71.2
Vigoro	V51N7RS	RR/STS	-----	1.3	27	1	2.0	2945	71.1
Vigoro	V54N8RS	RR/STS	-----	1.0	29	1	1.0	3298	70.5
NK	S53-A1	RR	-----	1.4	30	0	2.0	2792	70.4
NK	S59-B8	RR	-----	2.4	36	0	1.3	2978	70.2
Asgrow	AG5301	RR	-----	1.2	31	0	2.0	3027	69
Virginia	V98-2711	CONV	-----	1.7	26	1	1.0	2875	68.5
Arkansas	R98-1821	CONV	-----	1.0	27	1	2.0	3200	68.4
Progeny	5507	RR	-----	1.0	28	2	3.0	2398	68.2
D&PL	DP5915RR	RR	-----	2.3	33	1	1.7	2925	67.8
S.States	RT5471N	RR/STS	-----	1.3	31	1	1.3	3182	67.5
USG	7515nRS	RR/STS	-----	1.8	32	5	2.3	2597	67.4
Public	Hutcheson	CONV	-----	1.2	30	2	2.0	2862	67.4
D&PL	DP5914RR	RR	-----	2.0	33	0	1.3	2745	67.2
Stine	5482-4	RR/STS	-----	1.0	25	1	3.3	2438	67.1
D&PL	DP5110S	STS	-----	1.6	37	1	1.0	2915	67.1
D&PL	DP5115RR/S	RR/STS	-----	1.5	39	2	1.7	2889	65.5
D&PL	DP5414RR	RR	-----	2.7	33	1	1.7	2838	65.4
Progeny	5115	RR	-----	1.7	37	6	2.0	2753	65.3
USG	550nSTS	STS	-----	1.9	29	1	2.3	2812	65.0
Progeny	5407	RR	-----	1.3	33	2	2.5	2893	64.8
Pioneer	95M82	RR	-----	1.3	32	0	1.0	3089	64.8

Table 7c. 2007 Performance of Full Season Maturity Group V at Painter, VA

<i>Brand</i>	<i>Variety</i>	<i>Herb Resist</i>	<i>Maturity Date</i>	<i>Lodging 1-5</i>	<i>Height in.</i>	<i>PSS 1-5</i>	<i>SQ 1-5</i>	<i>SS seed/lb</i>	<i>Yield Bu/Ac</i>
EXTRA	DK5066	RR	-----	1.6	32	2	1.8	2574	63.7
USG	5002T	CONV	-----	1.2	27	1	1.3	2739	63.6
USG	75J47	RR	-----	1.2	27	1	2.7	2607	63.2
Virginia	V01-1693	RR	-----	1.1	26	0	2.0	3133	63.0
S.States	RT5540N	RR	-----	1.3	34	0	2.0	3104	62.5
Virginia	V01-2245	CONV	-----	1.2	27	1	2.7	3485	62.4
USG	7582nRR	RR	-----	2.2	36	0	1.7	2918	62.0
Progeny	5307	RR	-----	1.2	30	13	2.7	2630	61.5
Progeny	5207	RR	-----	1.0	29	5	2.3	2582	60.3
USG	Allen	RR	-----	1.3	29	1	1.7	3065	59.1
Virginia	V03-0293	RR	-----	1.0	25	0	1.7	3349	49.0
Grand Average			-----	1.5	31	1	1.9	2886	67.8
R ²			-----	0.65	0.74	0.74	0.75	0.91	0.54
CV			-----	29.6	9.1	110	20.3	3.9	9.7
LSD (0.10)			-----		3.2	1.8	0.5	132	7.7

Table 7d. 2007 Performance of Full Season Maturity Group V at Suffolk, VA

Brand	Variety	Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS 1-5	SQ 1-5	SS seed/lb	Yield Bu/Ac
Progeny	5307	RR	06-oct-07	1.0	32	2	4.0	2829	38.3
D&PL	DP5110S	STS	01-oct-07	1.1	39	1	3.5	3278	38.0
USG	5002T	CONV	01-oct-07	1.4	30	0	4.3	3514	36.6
Progeny	5115	RR	06-oct-07	1.1	39	1	3.5	3133	36.2
Virginia	V98-2711	CONV	04-oct-07	2.3	35	1	3.0	3639	35.8
USG	7553nRS	RR/STS	06-oct-07	1.6	37	0	2.5	3996	35.3
USG	5601T	CONV	06-oct-07	1.5	38	0	3.5	3853	35.3
DeltaKing	DK5066	RR	06-oct-07	1.3	33	1	4.0	2934	35.0
Asgrow	AG5605	RR/STS	08-oct-07	1.4	34	0	2.3	4049	34.9
Arkansas	Ozark	CONV	06-oct-07	1.3	34	0	4.0	3198	34.4
S.States	RT5471N	RR/STS	08-oct-07	1.5	38	0	2.0	3751	33.8
USG	7582nRR	RR	06-oct-07	1.9	38	0	2.8	3677	33.7
DeltaKing	DK5368	RR	06-oct-07	2.0	37	0	3.0	3107	33.5
Dyna-Gro	36Y48	RR	02-oct-07	1.1	34	1	4.3	2945	33.5
NK	S59-B8	RR	08-oct-07	1.4	38	0	3.3	3992	33.3
USG	75M16	RR	04-oct-07	1.4	37	0	3.3	3385	33.2
Virginia	V01-2245	CONV	06-oct-07	1.0	31	1	3.8	3969	32.6
USG	75J47	RR	08-oct-07	1.1	30	1	4.0	3108	32.5
D&PL	DP5115RR/S	RR/STS	04-oct-07	1.1	38	0	3.8	3149	32.3
D&PL	DP5634RR	RR	08-oct-07	1.4	38	1	3.8	3297	31.8
D&PL	DP5914RR	RR	08-oct-07	1.1	31	0	2.8	3514	31.2
Public	Hutcheson	CONV	08-oct-07	1.4	33	0	3.8	3633	31.2
S.States	RT5760N	RR	02-oct-07	1.5	37	0	3.3	3297	31.1
S.States	RT5160N	RR/STS	06-oct-07	1.5	36	1	3.0	3457	31.1
Arkansas	R98-1821	CONV	06-oct-07	1.4	31	0	4.0	3752	30.9
Stine	5482-4	RR/STS	04-oct-07	1.0	29	0	3.8	3031	30.6
Virginia	V03-0293	RR	08-oct-07	1.0	29	0	2.0	4431	30.6
Virginia	V01-1693	RR	04-oct-07	1.3	31	1	4.0	3816	30.5
S.States	RT5540N	RR	02-oct-07	1.5	37	0	3.8	3765	30.2
Asgrow	AG5905	RR	08-oct-07	1.4	41	0	3.0	3972	30.2
Pioneer	95M50	RR/STS	06-oct-07	1.5	36	0	3.3	3237	30.0
Public	Teejay	CONV	04-oct-07	1.4	33	1	4.5	3348	30.0
Pioneer	95M82	RR	08-oct-07	1.4	38	0	2.8	3856	29.9
D&PL	DP5414RR	RR	06-oct-07	1.9	43	0	3.3	3337	29.8

Table 7d. 2007 Performance of Full Season Maturity Group V at Suffolk, VA

<i>Brand</i>	<i>Variety</i>	<i>Herb Resist</i>	<i>Maturity Date</i>	<i>Lodging 1-5</i>	<i>Height in.</i>	<i>PSS 1-5</i>	<i>SQ 1-5</i>	<i>SS seed/lb</i>	<i>Yield Bu/Ac</i>
D&PL	DP5335RR/S	RR/STS	01-oct-07	1.0	32	1	4.5	2721	29.8
USG	7515nRS	RR/STS	04-oct-07	1.0	32	0	4.8	3006	29.6
USG	Allen	RR	10-oct-07	1.5	39	0	2.8	3866	29.1
Vigoro	V51N7RS	RR/STS	06-oct-07	1.6	33	0	3.3	3502	28.5
Virginia	V01-1702	RR	01-oct-07	1.3	32	0	4.3	3640	28.5
Virginia	V98-9005	CONV	06-oct-07	1.1	30	0	2.9	3255	28.2
Progeny	5407	RR	04-oct-07	1.0	31	1	4.3	3198	28.1
Asgrow	AG5301	RR	02-oct-07	1.5	34	1	3.5	3799	27.8
Progeny	5207	RR	02-oct-07	1.0	32	0	4.8	2765	27.7
D&PL	DP5915RR	RR	08-oct-07	1.6	40	1	2.3	3799	27.7
Vigoro	V54N8RS	RR/STS	08-oct-07	1.6	36	0	2.3	3671	27.5
Progeny	5507	RR	04-oct-07	1.0	27	0	3.5	3155	27.1
NK	S53-A1	RR	02-oct-07	1.3	32	0	3.8	3485	26.6
USG	550nSTS	STS	02-oct-07	1.4	32	0	4.5	3493	24.8
Grand Average			05-oct-07	1.3	34	0	3.5	3471	31.4
R ²			0.46	0.45	0.57	0.32	0.65	0.76	0.43
CV			0.1	29.3	11.3	254	18.5	7.2	17.8
LSD (0.10)			3.6	0.5	4.6	0.8	0.8	291	6.6

Table 7e. 2007 Performance of Full Season Maturity Group V at Warsaw, VA

Brand	Variety	Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS 1-5	SQ 1-5	SS seed/lb	Yield Bu/Ac
USG	550nSTS	STS	05-oct-07	1.1	23	0	1.6	3632	25.5
D&PL	DP5115RR/S	RR/STS	07-oct-07	1.0	22	1	1.6	3414	25.0
S.States	RT5160N	RR/STS	09-oct-07	1.0	20	1	1.4	3435	24.5
USG	5601T	CONV	10-oct-07	1.0	21	0	1.3	3422	24.2
USG	75J47	RR	13-oct-07	1.0	19	2	2.1	2696	23.9
Public	Teejay	CONV	08-oct-07	1.0	15	1	1.7	2924	23.8
Arkansas	R98-1821	CONV	10-oct-07	1.0	16	2	1.5	3684	23.6
USG	7582nRR	RR	12-oct-07	1.0	24	2	1.5	3421	23.6
Virginia	V01-2245	CONV	10-oct-07	1.0	16	1	1.7	3527	23.4
D&PL	DP5634RR	RR	13-oct-07	1.0	25	1	1.5	3063	23.1
D&PL	DP5110S	STS	06-oct-07	1.1	22	2	1.5	3334	23.1
Arkansas	Ozark	CONV	09-oct-07	1.0	19	0	1.3	3447	23.1
S.States	RT5471N	RR/STS	10-oct-07	1.0	19	0	1.3	3522	22.7
D&PL	DP5414RR	RR	12-oct-07	1.2	22	0	1.4	3178	22.6
Asgrow	AG5301	RR	10-oct-07	1.0	24	1	1.4	3611	22.6
Virginia	V98-9005	CONV	09-oct-07	1.0	15	0	1.5	2999	22.6
D&PL	DP5335RR/S	RR/STS	06-oct-07	1.0	20	1	1.7	2676	22.4
Virginia	V03-0293	RR	12-oct-07	1.0	17	1	1.4	3684	22.2
D&PL	DP5915RR	RR	13-oct-07	1.2	24	0	1.5	3269	22.2
Virginia	V98-2711	CONV	08-oct-07	1.0	19	1	1.4	3931	22.0
USG	75M16	RR	10-oct-07	1.1	20	1	1.6	3370	21.6
Vigoro	V51N7RS	RR/STS	09-oct-07	1.0	18	1	1.3	3516	21.0
Pioneer	95M50	RR/STS	10-oct-07	1.0	18	1	1.4	3232	20.8
Asgrow	AG5605	RR/STS	10-oct-07	1.3	23	4	1.8	4019	20.2
Stine	5482-4	RR/STS	10-oct-07	1.0	16	2	1.9	2830	20.1
Public	Hutcheson	CONV	10-oct-07	1.0	15	1	1.5	3315	19.9
S.States	RT5540N	RR	10-oct-07	1.1	23	0	1.4	3428	19.7
USG	5002T	CONV	07-oct-07	1.0	17	1	1.6	3459	19.3
Vigoro	V54N8RS	RR/STS	10-oct-07	1.0	16	1	1.4	3450	19.2
USG	7515nRS	RR/STS	05-oct-07	1.1	17	1	1.6	3212	18.9
USG	Allen	RR	17-oct-07	1.0	23	2	1.6	3425	18.9
D&PL	DP5914RR	RR	12-oct-07	1.0	19	2	1.6	3073	18.8
DeltaKing	DK5066	RR	02-oct-07	1.1	19	1	1.6	3293	18.5
Virginia	V01-1702	RR	10-oct-07	1.0	17	1	1.4	3388	18.5
DeltaKing	DK5368	RR	11-oct-07	1.0	18	1	1.5	2974	18.3
Virginia	V01-1693	RR	09-oct-07	1.0	16	1	1.5	3816	18.2
USG	7553nRS	RR/STS	09-oct-07	1.0	22	3	1.8	3915	17.9
S.States	RT5760N	RR	11-oct-07	1.0	17	1	1.8	2880	17.3
Pioneer	95M82	RR	13-oct-07	1.0	19	1	1.4	3323	16.3
Grand Average			10-oct-07	1.0	19	1	1.5	3354	21.3
R ²			0.94	0.40	0.76	0.48	0.65	0.93	0.48
CV			0.1	8.7	9.8	99	11.8	3.0	16.8
LSD (0.10)			0.9	0.1	2.2	1.1	0.2	118	4.2

Table 8a. 2007 Performance of Double Crop Maturity Group V at Blackstone, VA

<i>Brand</i>	<i>Variety</i>	<i>Herb Resist</i>	<i>Maturity Date</i>	<i>Lodging 1-5</i>	<i>Height in.</i>	<i>PSS 1-5</i>	<i>SQ 1-5</i>	<i>SS seed/lb</i>	<i>Yield Bu/Ac</i>
Virginia	V98-2711	CONV	22-oct-07	1.0	21	0	2.7	3881	22.9
NK	S53-A1	RR	26-feb-86	1.0	26	2	2.0	3222	21.7
S.States	RT5160N	RR/STS	28-oct-07	1.0	29	2	2.0	3406	20.7
D&PL	DP5110S	STS	22-oct-07	1.0	26	1	3.0	3511	20.7
Virginia	V98-9005	CONV	22-oct-07	1.0	22	1	3.3	3153	20.7
D&PL	DP5634RR	RR	30-oct-07	1.0	32	1	3.3	3836	20.0
Virginia	V01-2245	CONV	27-oct-07	1.0	25	0	2.0	3888	19.7
D&PL	DP5115RR/S	RR/STS	22-oct-07	1.0	26	1	2.0	3547	19.6
Pioneer	95M50	RR/STS	22-oct-07	1.0	28	1	2.7	3409	19.4
USG	7553nRS	RR/STS	22-oct-07	1.0	26	1	2.0	3972	19.1
D&PL	DP5414RR	RR	30-oct-07	1.0	30	0	2.3	3416	19.0
Virginia	V01-1693	RR	22-oct-07	1.0	23	1	2.3	3859	18.8
S.States	RT5540N	RR	24-oct-07	1.0	28	2	2.0	3503	18.7
D&PL	DP5915RR	RR	31-oct-07	1.0	26	1	2.0	3587	18.6
Progeny	5115	RR	22-oct-07	1.0	21	1	2.0	3330	18.4
USG	7515nRS	RR/STS	22-oct-07	1.0	24	1	3.3	3176	18.2
D&PL	DP5914RR	RR	30-oct-07	1.0	24	2	2.0	3309	18.1
Virginia	V03-0293	RR	01-nov-07	1.0	21	2	1.3	3983	17.9
Public	Teejay	CONV	24-oct-07	1.0	23	1	3.3	3001	17.8
Public	Hutcheson	CONV	30-oct-07	1.0	23	1	2.3	3561	17.5
Asgrow	AG5605	RR/STS	23-feb-86	1.0	28	0	2.0	3941	17.0
Vigoro	V54N8RS	RR/STS	30-oct-07	1.0	24	3	1.7	3520	16.6
D&PL	DP5335RR/S	RR/STS	22-oct-07	1.0	24	2	2.7	2736	16.4
Progeny	5307	RR	22-oct-07	1.0	21	3	2.7	3105	16.1
Progeny	5507	RR	01-nov-07	1.0	21	4	3.3	2832	16.1
Asgrow	AG5905	RR	31-oct-07	1.0	32	4	2.0	3734	15.4
Stine	5482-4	RR/STS	30-oct-07	1.0	21	1	3.3	3037	15.4
S.States	RT5471N	RR/STS	30-oct-07	1.0	24	2	2.0	3578	15.3
Progeny	5207	RR	22-oct-07	1.0	22	2	3.7	3186	14.8
S.States	RT5760N	RR	25-oct-07	1.0	24	2	2.7	2989	14.5
NK	S59-B8	RR	01-nov-07	1.0	26	3	2.7	3748	14.3
Virginia	V01-1702	RR	31-oct-07	1.0	23	3	3.0	3494	14.2
Vigoro	V55N5RR	RR	20-feb-86	1.0	27	1	2.0	3613	14.1
Pioneer	95M82	RR	30-oct-07	1.0	24	0	2.0	3799	13.7
Progeny	5407	RR	22-oct-07	1.0	21	1	3.0	2930	13.6
Grand Average			01-nov-07	1.0	25	1	2.5	3451	17.6
R ²			0.37	0.00	0.61	0.53	0.75	0.80	0.42
CV			10.1	0.0	12.4	90	17.5	6.2	20.5
LSD (0.10)			5.3	0.0	4.2	1.8	0.6	292	4.9

Table 8b. 2007 Performance of Double Crop Maturity Group V at Painter, VA

<i>Brand</i>	<i>Variety</i>	<i>Herb Resist</i>	<i>Maturity Date</i>	<i>Lodging 1-5</i>	<i>Height in.</i>	<i>PSS 1-5</i>	<i>SQ 1-5</i>	<i>SS seed/lb</i>	<i>Yield Bu/Ac</i>
Virginia	V98-2711	CONV	-----	1.4	30	0	1.8	3695	43.8
USG	7515nRS	RR/STS	-----	1.6	36	2	1.8	3163	43.4
Vigoro	V51N7RS	RR/STS	-----	1.1	29	1	2.0	3502	41.4
Virginia	V98-9005	CONV	-----	1.3	28	0	2.0	2708	40.8
Virginia	V01-2245	CONV	-----	1.1	29	0	2.0	3963	40.8
USG	5601T	CONV	-----	1.5	35	1	1.3	3606	40.5
D&PL	DP5335RR/S	RR/STS	-----	1.1	33	1	1.8	2763	40.4
D&PL	DP5110S	STS	-----	1.5	39	1	1.3	3373	39.4
D&PL	DP5115RR/S	RR/STS	-----	1.1	37	1	2.0	3403	39.2
D&PL	DP5914RR	RR	-----	1.1	33	4	2.0	3078	39.1
Stine	5482-4	RR/STS	-----	1.0	32	3	2.5	2757	39.0
USG	75M16	RR	-----	1.4	35	3	1.8	3376	38.9
USG	7553nRS	RR/STS	-----	1.1	33	1	1.3	3845	38.8
NK	S53-A1	RR	-----	1.3	33	2	2.0	2997	38.8
S.States	RT5760N	RR	-----	1.4	34	3	2.0	2673	38.6
Virginia	V03-0293	RR	-----	1.0	29	2	2.0	3702	38.1
Asgrow	AG5905	RR	-----	1.3	39	2	2.3	3666	37.6
S.States	RT5160N	RR/STS	-----	1.5	33	2	1.8	3422	37.5
Pioneer	95M82	RR	-----	1.1	35	3	1.5	3396	37.5
Vigoro	V54N8RS	RR/STS	-----	1.3	32	0	1.5	3416	37.4
USG	75J47	RR	-----	1.3	30	5	2.5	2752	37.4
Public	Teejay	CONV	-----	1.8	31	1	1.8	3014	37.3
Asgrow	AG5605	RR/STS	-----	1.0	35	1	1.3	3808	37.0
D&PL	DP5414RR	RR	-----	2.3	41	0	1.8	3209	36.9
S.States	RT5471N	RR/STS	-----	1.4	32	0	1.3	3451	36.4
Vigoro	V55N5RR	RR	-----	1.6	35	1	1.8	3358	36.0
Virginia	V01-1702	RR	-----	1.8	31	0	1.8	3665	36.0
D&PL	DP5634RR	RR	-----	1.8	36	1	2.0	2958	35.7
D&PL	DP5915RR	RR	-----	1.6	36	4	2.0	3188	35.7
Virginia	V01-1693	RR	-----	1.4	29	0	1.5	4118	35.6
USG	Allen	RR	-----	1.5	36	2	1.5	3581	35.5
NK	S59-B8	RR	-----	1.6	37	1	1.8	3305	34.3
Public	Hutcheson	CONV	-----	1.9	29	0	2.0	3451	34.2
S.States	RT5540N	RR	-----	1.4	34	1	2.0	3497	32.5
Grand Average			-----	1.4	33	1	1.8	3349	38.0
R ²			-----	0.52	0.60	0.44	0.48	0.94	0.51
CV			-----	25.5	10.1	118	23.0	3.3	9.2
LSD (0.10)			-----	0.4	3.9	1.9	0.5	131	4.1

Table 8c. 2007 Performance of Double Crop Maturity Group V at Suffolk, VA

Brand	Variety	Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS 1-5	SQ 1-5	SS seed/lb	Yield Bu/Ac
Progeny	5207	RR	23-oct-07	1.6	38	0	2.3	3528	44.6
Asgrow	AG5605	RR/STS	26-oct-07	2.1	35	0	1.5	4288	43.2
Vigoro	V51N7RS	RR/STS	23-oct-07	2.3	34	0	2.0	3905	43.0
USG	75J47	RR	23-oct-07	1.5	32	0	2.3	3099	42.7
USG	75M16	RR	23-oct-07	3.0	37	0	2.0	3550	42.2
Progeny	5307	RR	23-oct-07	2.5	39	1	2.0	3451	41.5
Virginia	V98-2711	CONV	23-oct-07	2.1	26	0	1.8	3740	41.3
NK	S53-A1	RR	23-oct-07	2.5	35	0	2.3	3724	40.9
S.States	RT5471N	RR/STS	23-oct-07	1.6	33	0	1.0	3828	40.7
USG	5601T	CONV	23-oct-07	2.3	35	0	2.0	3647	40.5
S.States	RT5540N	RR	23-oct-07	2.6	39	0	2.0	3740	40.3
S.States	RT5760N	RR	23-oct-07	2.6	35	0	1.8	3507	40.3
D&PL	DP5335RR/S	RR/STS	23-oct-07	1.9	40	0	2.0	3059	39.8
S.States	RT5160N	RR/STS	23-oct-07	2.9	33	0	1.8	3812	39.3
Virginia	V98-9005	CONV	23-oct-07	1.6	32	0	2.8	3164	39.1
Stine	5482-4	RR/STS	23-oct-07	1.8	29	0	2.5	3453	39.0
USG	7515nRS	RR/STS	23-oct-07	2.6	36	0	2.0	3754	39.0
Public	Teejay	CONV	23-oct-07	2.6	31	0	2.5	3251	39.0
Virginia	V01-2245	CONV	23-oct-07	1.8	31	0	2.0	4152	38.8
Asgrow	AG5905	RR	27-oct-07	3.1	44	0	1.3	3864	38.6
Progeny	5507	RR	23-oct-07	1.6	30	0	2.0	3347	38.2
D&PL	DP5110S	STS	23-oct-07	3.0	41	0	2.0	3959	38.2
Pioneer	95M82	RR	23-oct-07	2.0	38	0	1.8	3918	38.0
USG	Allen	RR	23-oct-07	2.1	34	0	1.3	3880	37.4
USG	7553nRS	RR/STS	23-oct-07	2.3	34	0	1.5	4586	37.4
D&PL	DP5914RR	RR	23-oct-07	1.6	36	0	1.0	3750	37.3
Virginia	V01-1693	RR	23-oct-07	2.0	30	0	2.0	4267	37.3
D&PL	DP5915RR	RR	27-oct-07	3.0	40	0	1.3	3547	37.1
Public	Hutcheson	CONV	23-oct-07	2.3	27	0	2.5	3556	37.0
Progeny	5407	RR	23-oct-07	1.3	36	0	2.5	3363	36.9
NK	S59-B8	RR	24-oct-07	2.8	41	0	1.5	3733	36.8
Virginia	V01-1702	RR	23-oct-07	1.6	29	0	2.5	3829	36.8
Progeny	5115	RR	23-oct-07	2.3	41	0	2.0	3636	36.2
D&PL	DP5115RR/S	RR/STS	23-oct-07	1.6	36	0	2.3	3910	35.4
Vigoro	V54N8RS	RR/STS	23-oct-07	2.3	30	0	1.5	3954	35.3
Virginia	V03-0293	RR	24-oct-07	1.6	32	0	1.0	4209	35.3
D&PL	DP5414RR	RR	23-oct-07	3.0	44	1	2.0	3703	34.0
Vigoro	V55N5RR	RR	23-oct-07	2.3	37	0	1.8	4056	33.1
D&PL	DP5634RR	RR	23-oct-07	2.8	39	0	2.5	3592	32.1
Pioneer	95M50	RR/STS	23-oct-07	2.5	36	0	2.0	3815	31.5
Grand Average			23-oct-07	2.2	35	0	1.9	3728	38.4
R2			0.58	0.41	0.67	0.33	0.63	0.83	0.49
CV			0.1	32.0	10.6	365	21.7	4.6	10.5
LSD (0.10)			1.3	0.8	4.3	0.3	0.5	202	4.7

Table 8d. 2007 Performance of Double Crop Maturity Group V at Warsaw, VA

Brand	Variety	Herb Resist	Maturity Date	Lodging 1-5	Height in.	PSS 1-5	SQ 1-5	SS seed/lb	Yield Bu/Ac
Progeny	5207	RR	21-oct-07	1.2	24	0	1.8	3927	49.9
USG	7553nRS	RR/STS	24-oct-07	1.2	20	1	1.4	3932	48.2
D&PL	DP5110S	STS	19-oct-07	1.1	26	1	1.6	3945	47.2
S.States	RT5160N	RR/STS	23-oct-07	1.1	21	1	1.7	3953	46.5
Virginia	V01-2245	CONV	24-oct-07	1.1	21	1	1.4	3835	46.4
Public	Hutcheson	CONV	23-oct-07	1.1	22	1	1.4	3764	45.9
Progeny	5507	RR	26-oct-07	1.2	23	1	1.7	3797	45.8
USG	5601T	CONV	24-oct-07	1.1	21	0	1.4	3965	45.7
Progeny	5307	RR	19-oct-07	1.2	24	0	1.7	3816	45.7
Vigoro	V54N8RS	RR/STS	23-oct-07	1.1	24	1	1.4	3915	45.4
Vigoro	V51N7RS	RR/STS	24-oct-07	1.2	21	2	1.6	3901	45.1
D&PL	DP5115RR/S	RR/STS	22-oct-07	1.2	24	0	1.7	3994	44.4
Asgrow	AG5605	RR/STS	24-oct-07	1.2	22	1	1.5	3989	44.3
D&PL	DP5414RR	RR	24-oct-07	1.3	24	1	1.9	3794	43.8
S.States	RT5471N	RR/STS	23-oct-07	1.3	24	0	1.2	3901	43.8
Stine	5482-4	RR/STS	27-oct-07	1.0	21	1	2.1	3773	42.9
Virginia	V01-1702	RR	23-oct-07	1.1	19	0	1.4	3862	42.8
Progeny	5407	RR	20-oct-07	1.1	23	0	2.0	3904	41.6
Virginia	V98-2711	CONV	22-oct-07	1.2	22	1	1.5	3756	41.4
Vigoro	V55N5RR	RR	24-oct-07	1.2	21	0	1.4	3897	41.4
Public	Teejay	CONV	22-oct-07	1.1	20	0	1.7	3940	41.2
D&PL	DP5335RR/S	RR/STS	20-oct-07	1.2	20	1	1.5	3808	40.9
USG	75M16	RR	24-oct-07	1.1	21	2	1.9	3965	40.8
D&PL	DP5634RR	RR	26-oct-07	1.1	24	1	1.5	3906	40.4
Progeny	5115	RR	22-oct-07	1.2	25	1	1.7	3871	40.0
Virginia	V98-9005	CONV	22-oct-07	1.1	18	0	1.8	4109	39.9
Virginia	V01-1693	RR	22-oct-07	1.0	21	1	1.2	3844	39.4
S.States	RT5540N	RR	23-oct-07	1.0	23	1	1.4	3773	39.4
USG	75J47	RR	28-oct-07	1.2	22	3	2.0	3773	38.9
D&PL	DP5914RR	RR	29-oct-07	1.1	22	2	2.3	3742	38.9
S.States	RT5760N	RR	25-oct-07	1.2	24	1	1.7	3871	38.7
Pioneer	95M82	RR	28-oct-07	1.2	23	2	1.8	3734	38.4
Asgrow	AG5905	RR	29-oct-07	1.2	25	3	2.0	3562	38.4
USG	Allen	RR	28-oct-07	1.2	24	0	1.6	3833	37.8
USG	7515nRS	RR/STS	22-oct-07	1.2	20	2	1.7	3890	37.1
Pioneer	95M50	RR/STS	23-oct-07	1.1	23	0	1.4	3857	37.1
Virginia	V03-0293	RR	27-oct-07	1.0	18	1	1.7	3789	36.5
D&PL	DP5915RR	RR	27-oct-07	1.0	23	2	2.0	3816	36.0
Grand Average			24-oct-07	1.1	22	1	1.6	3861	42.0
R ²			0.96	0.49	0.71	0.50	0.74	0.84	0.50
CV			0.1	8.9	6.6	111	10.8	2.0	14.1
LDS (0.10)			0.8	0.1	1.7	1.0	0.2	92	7.0

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