

2010 Maryland Roundup Ready Soybean Variety Tests - Preliminary Seed Yields, Bu/A @ 13% Moisture

Brand - Entry	Clarks-ville	Queenstown		Quantico	
		FS	DC	FS	DC
<b>Mat Group 3</b> DYNAGRO - 37RY39	51.5	-	34.2	42.8	35.9
DYNAGRO - V39N9RR	50.2	-	37.1*	43.7	39.2
HISOY - HS35A90	45.8	-	37.1*	44.6*	39.7
MID ATLANTIC - MAS 3411NRR2	44.7	-	29.9	43.5	38.2
MID ATLANTIC - MAS 3511RR2	51.8	-	37.0*	44.9*	41.8*
MID ATLANTIC - MAS 3781NRR	50.5	-	32.8	48.3*	34.0
MID ATLANTIC - MAS 3955RR	49.6	-	33.9	44.2*	35.8
MID ATLANTIC - MAS 3977RR2	49.5	-	36.7*	41.5	37.1
DOEBLERS - RPM DB3519RR	52.2	-	33.9	43.7	44.3*
DOEBLERS - RPM DB3809RR	52.7*	-	33.9	46.4*	38.1
DOEBLERS - RPM DB3909RR	48.2	-	38.8*	47.8*	37.5
S.STATES - RT3871N	52.9*	-	34.1	39.8	38.8
S.STATES - RT3971N	50.7	-	37.5*	42.9	33.9
S.STATES - EXP3702R2	51.2	-	36.2	39.9	32.9
S.STATES - SS3820NR2	53.0*	-	40.2*	39.1	33.8
S.STATES - SS3910NR2	52.0	-	35.9	37.5	35.8
TA SEEDS - TS3989RS	56.4*	-	37.6*	42.2	39.8
USG - 73F59R	51.0	-	37.8*	42.6	38.0
USG - 73H77	49.8	-	36.8*	45.4*	37.2
<b>Mean</b>	<b>50.7</b>	-	<b>35.9</b>	<b>43.2</b>	<b>37.5</b>
<b>LSD 0.20</b>	<b>3.7</b>	-	<b>3.5</b>	<b>4.3</b>	<b>3.6</b>
<b>CV,%</b>	<b>6.8</b>	-	<b>9.2</b>	<b>9.2</b>	<b>9.1</b>
<b>Mat Group 4</b> DYNAGRO - 32RY40	59.3	38.4*	38.2	45.3	38.6*
DYNAGRO - 35X43	62.7*	35.2	34.5	44.5	36.3
DYNAGRO - 39RY41	56.6	36.4*	42.5*	51.2*	38.8*
HISOY - HS41A02	59.7	39.0*	39.4*	44.3	32.3
HISOY - HS42T80	56.6	39.0*	38.5*	49.0*	35.6
MID ATLANTIC - MAS 4217NRR	65.6*	33.1	41.5*	46.8	32.1
MID ATLANTIC - MAS 4399RR/STS	59.0	23.9	36.5	40.0	33.5
MID ATLANTIC - MAS 4444NRR2	57.1	35.7	38.2	44.1	35.6
DOEBLERS - RPM DB4409RR	55.1	35.1	42.4*	46.7	40.0*
S.STATES - RT4370N	57.2	34.4	38.4	47.3	32.7
S.STATES - RT4470N	54.9	37.4*	41.4*	49.5*	40.5*
S.STATES - SS4510NR2	53.2	33.0	38.7*	40.0	38.0*
TA SEEDS - TS4299RS	52.6	38.2*	38.7*	46.7	39.2*
TA SEEDS - TS4499R	52.0	34.6	35.9	42.2	32.4
USG - 74B58	56.2	41.5*	37.5	48.0*	38.1*
USG - 74T59	49.7	31.0	32.6	36.4	35.5
<b>Mean</b>	<b>56.7</b>	<b>35.3</b>	<b>38.4</b>	<b>45.1</b>	<b>36.2</b>
<b>LSD 0.20</b>	<b>5.7</b>	<b>5.5</b>	<b>4.0</b>	<b>3.8</b>	<b>4.1</b>
<b>CV,%</b>	<b>9.4</b>	<b>14.6</b>	<b>9.8</b>	<b>7.9</b>	<b>10.5</b>
<b>Mat Group 4s</b> DYNAGRO - 33G48	52.6*	57.5	39.4	41.9	35.7*
DYNAGRO - 34RY46	46.6	50.8	43.1*	42.8	32.6
DYNAGRO - 37RY47	51.1*	54.6	41.9*	48.1*	33.7
DYNAGRO - V47N8RR	42.8	47.9	35.9	39.2	30.5

S.STATES - RT4710N		45.1	57.5	41.2*	43.0	33.9
S.STATES - RT4777N		47.4	53.7	38.7	36.2	32.0
S.STATES - RT4808N		51.5*	56.5	37.0	42.2	32.2
S.STATES - RT4888N		48.8*	55.2	36.4	38.2	31.3
S.STATES - RT4996N		48.2*	44.1	34.7	33.4	30.3
S.STATES - SS4700R2		48.9*	66.6*	40.4	42.2	31.2
S.STATES - SS4720NR2		48.7*	54.0	41.0*	41.6	33.8
USG - 74A69R		49.0*	65.1*	43.0*	46.9*	33.8
USG - 74F96		48.0	54.4	37.2	40.1	37.1*
USG - 74E88		47.3	51.2	40.2	42.2	33.7
USG - 74T98		41.8	43.7	28.4	31.9	33.7
	<b>Mean</b>	<b>47.9</b>	<b>54.2</b>	<b>38.6</b>	<b>40.7</b>	<b>33.0</b>
	<b>LSD 0.20</b>	<b>4.5</b>	<b>6.3</b>	<b>2.3</b>	<b>4.1</b>	<b>2.6</b>
	<b>CV,%</b>	<b>8.7</b>	<b>10.9</b>	<b>5.6</b>	<b>9.3</b>	<b>7.3</b>
<b>Mat Group 5</b>	TA SEEDS - TS5199R	-	45.4	34.6	21.5	34.1
	USG - 75J10R	-	40.4	41.9*	33.6*	34.4*
	USG -75M16	-	47.3*	33.6	24.0	33.2
	USG - 75T18	-	45.4	29.7	26.3	34.1
	<b>Mean</b>	<b>MG 5 not</b>	<b>44.6</b>	<b>34.9</b>	<b>26.4</b>	<b>33.9</b>
	<b>LSD 0.20</b>	<b>grown here</b>	<b>ns</b>	<b>2.8</b>	<b>4.5</b>	<b>ns</b>
	<b>CV,%</b>	<b>-</b>	<b>20.7</b>	<b>6.8</b>	<b>14.4</b>	<b>8.1</b>

FS=Full Season, DC=Double Crop; \*Not significantly different from top yield in maturity group

<b>Planting Date:</b>	<b>June 4</b>	<b>May 26</b>	<b>July 19</b>	<b>May 25</b>	<b>July 1</b>
<b>Row Spacing:</b>	<b>24 in.</b>	<b>24 in.</b>	<b>7.5 in.</b>	<b>20 in.</b>	<b>15 in.</b>
<b>Tillage:</b>	<b>Conv.</b>	<b>Conv.</b>	<b>None</b>	<b>None</b>	<b>None</b>

Prepared by W.J. Kenworthy, N. Hailegiorgies, M. Duvelsaint, and F. Arguedas, PSLA Department, University of Maryland.

**Acknowledgements:** The contributions of Naod Hailegiorgies, Michel Duvelsaint, Felix Arguedas, Tim Ellis, David Justice, Mark Sultenfuss, Joseph Streett, David Armentrout, and Fred Senkbeil at the University of Maryland are recognized as being essential in the successful completion of these tests. The financial support of the Maryland Soybean Board and grants for equipment from the Maryland Grain Producers' Utilization Board, University of Maryland College of Agriculture and Natural Resources, and the Maryland Crop Improvement Association are gratefully acknowledged.