# EVALUATION OF WATERMELON VARIETIES 2012, JAY, FLORIDA

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## PURPOSE: To evaluate watermelon varieties for performance and yield.

## EXPERIMENTAL DESIGN:

## Twelve transplants planted in 24-ft row per plot with 7-ft row spacing

## Four randomized complete blocks

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## VARIETY AND COMPANY:

1. 7387 HQ Abbot and Cobb
2. Tri-X 313 Syngenta
3. Liberator Abbot and Cobb
4. Distinction Syngenta
5. 7167 Abbot and Cobb
6. 7197 HQ Abbot and Cobb
7. 5234 Plus Abbot and Cobb
8. SUR 0241 Seminis
9. Sweet Polly Siegers
10. Diplomat Nunhems
11. Banner Nunhems
12. Fascination Syngenta
13. WDL 9409 Syngenta
14. Sugar Heart Zeraim Gedera
15. 7187 HQ Abbot and Cobb
16. Majestic Seminis
17. Sugar Coat Zeraim Gedera
18. 7177 HQ Abbot and Cobb
19. Troubador Harris Moran
20. RWT8231 Syngenta
21. Revolution Nunhems
22. Citation Sakata
23. WDL 9408 Syngenta
24. 7267 HQ Abbot and Cobb
25. WDL 9405 Syngenta
26. Crunchy Red F1 Harris Moran
27. Declaration Nunhems
28. Bold Ruler Sakata
29. Liberty Nunhems
30. Affirmed Sakata
31. Wrigley Seminis
32. Melody Syngenta
33. Imagination Syngenta
	1. ADDITIONAL INFORMATION:
		1. Location: Jay Research farm
		2. Crop history:
		3. Land preparation: transplants planted in center of the bed with drip-irrigation
		4. Planting date and cultivar: 13 Apr 2012
		5. Soil type: Orangeburg sandy loam

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| Table 1. Effect of variety on harvestable melon, weight, and size. |
| Variety | % germination | # of melon/plot | Ave. fruit (lbs) | Ave. fruit length (in.) | Ave. fruit circumference (in.) | Hallow heart rating |
| 27 Jun | 18 Jul |
| 7387 HQ | 97.66 | 8.3 | 3.8 | 19.6 | 14.8 |  30.4 abc | 0.0 |
| Tri-X 313 | 96.09 | 17.8 | 2.3 | 21.0 | 13.9 |  32.8 a | 0.0 |
| Liberator | 93.75 | 16.0 | 3.3 | 18.3 | 13.7 |  29.5 bc | 0.0 |
| Distinction | 92.97 | 17.0 | 1.0 | 23.5 | 15.5 |  31.0 ab | 0.0 |
| 7167 | 92.19 | 10.5 | 2.0 | 19.2 | 14.2 |  29.5 bc | 0.0 |
| 7197 HQ | 89.84 | 14.8 | 2.5 | 19.3 | 15.2 |  29.8 bc | 0.0 |
| 5234 Plus | 89.06 | 8.5 | 2.5 | 22.3 | 13.8 |  29.8 bc | 0.0 |
| SUR 0241 | 89.06 | 14.0 | 3.0 | 16.7 | 13.0 |  28.8 bc | 0.0 |
| Diplomat | 86.72 | 10.5 | 6.5 | 76.7 | 16.4 |  30.7 abc | 0.7 |
| Banner | 86.72 | 15.3 | 3.3 | 21.6 | 16.5 |  28.9 bc | 0.3 |
| Fascination | 86.72 | 15.3 | 4.5 | 20.6 | 12.6 |  30.9 ab | 0.0 |
| WDL 9409 | 85.94 | 18.8 | 4.8 | 19.3 | 14.8 |  28.9 bc | 0.0 |
| Sugar Heart | 83.59 | 11.0 | 2.5 | 17.5 | 14.2 |  29.8 c | 0.0 |
| 7187 HQ | 82.03 | 19.0 | 2.5 | 20.8 | 15.6 |  32.2 ab | 0.5 |
| Majestic | 81.25 | 13.8 | 2.3 | 19.7 | 14.2 |  31.1 ab | 0.0 |
| Sugar Coat | 81.25 | 10.0 | 1.8 | 18.7 | 13.8 |  29.7 bc | 1.3 |
| 7177 HQ | 79.69 | 17.0 | 1.8 | 18.2 | 13.8 |  29.7 bc | 0.0 |
| Revolution | 77.34 | 11.8 | 3.8 | 19.6 | 16.6 |  28.5 c | 0.5 |
|  | *-* | *NS* | *NS* | *NS* | *NS* | *0.0471* | *NS* |
| Sweet Polly | 88.28 | 25.0 | 0.0 | 20.68 | 11.67 | 31.00 | 0.0 |
| Troubador | 79.69 | 9.0 | 0.0 | 14.0 | 11.67 | 27.3 | 0.0 |
| RWT8231 | 79.69 | 14 | 0.0 | 9.56 | 9.67 | 28.33 | 0.0 |
| Citation | 60.16 | 18 | 0.0 | 15.88 | 12.00 | 32.00 | 0.0 |
| WDL 9408 | 77.34 | 33 | 0.0 | 23.41 | 13.33 | 33.00 | 0.0 |
| 7267 HQ | 76.56 | 16 | 0.0 | 19.63 | 12.67 | 32.67 | 0.0 |
| WDL 9405 | 71.88 | 10 | 0.0 | 16.46 | 14.00 | 33.00 | 0.0 |
| Crunchy Red F1 | 70.31 | 5 | 0.0 | 13.80 | 11.33 | 31.67 | 0.0 |
| Declaration | 70.31 | 14 | 0.0 | 18.49 | 12.67 | 33.00 | 0.0 |
| Bold Ruler | 70.31 | 10 | 0.0 | 16.74 | 12.00 | 29.00 | 0.0 |
| Liberty | 66.41 | 6 | 0.0 | 19.55 | 11.67 | 27.00 | 0.0 |
| Affirmed | 64.06 | 7 | 0.0 | 20.33 | 15.67 | 33.00 | 0.0 |
| Wrigley | 62.50 | 15 | 0.0 | 18.68 | 13.00 | 30.33 | 0.0 |
| Melody | 58.59 | 8 | 0.0 | 15.29 | 11.33 | 29.67 | 0.0 |
| Imagination | 39.84 | 12 | 0.0 | 15.37 | 11.33 | 32.67 | 0.0 |
| w Means are not significantly different according to Fisher’s Protected LSD (*P=*0.05). Varieties with gray fill planted in only one plot, data not replicated.  |