

**TABLE 5.1A Three-Year Statewide (North Carolina) Average Performance of OVT Cotton - CONVENTIONAL VARIETIES 2014-2016**

| <i>VARIETY<br/>OR BRAND VARIETY</i> | <i>LINT<br/>YIELD<br/>LB/ACRE</i> | <i>LINT<br/>%</i> | <i>PLANT<br/>HEIGHT<br/>INCHES</i> | <i>PERCENT<br/>BOLLS<br/>OPENED</i> | <i>UHM<br/>S.L.<br/>(IN.)</i> |
|-------------------------------------|-----------------------------------|-------------------|------------------------------------|-------------------------------------|-------------------------------|
| Seed Source Genetics UA222          | 1090 **                           | 43.3              | 37                                 | 40                                  | 1.23                          |
| Seed Source HQ210CT                 | 1021 *                            | 42.5              | 37                                 | 47                                  | 1.14                          |
| MEAN                                | 1056                              | 42.9              | 37                                 | 43                                  | 1.18                          |
| C.V.(%)                             | 8                                 | .                 | .                                  | .                                   | .                             |
| BLSD(K=50)                          | 124                               | .                 | .                                  | .                                   | .                             |
| S.E.                                | 34                                | .                 | .                                  | .                                   | .                             |

**\*\*Highest yielder. \*Not significantly different from highest yielder.**

**C: 3 environments**

**TABLE 5.1B Three-Year Statewide (North Carolina) Average Performance of OVT Cotton - TRANSGENIC VARIETIES 2014-2016**

| VARIETY<br>OR BRAND VARIETY | LINT<br>YIELD<br>LB/ACRE | LINT<br>% | PLANT<br>HEIGHT<br>INCHES | PERCENT<br>BOLLS<br>OPENED | UHM<br>S.L.<br>(IN.) |
|-----------------------------|--------------------------|-----------|---------------------------|----------------------------|----------------------|
| PHY 333 WRF                 | 1164 **                  | 47.0      | 38                        | 72                         | 1.14                 |
| PHY 495 W3RF                | 1134 *                   | 46.4      | 37                        | 63                         | 1.10                 |
| PHY 499 WRF                 | 1128 *                   | 46.6      | 38                        | 64                         | 1.12                 |
| PHY 312 WRF                 | 1124 *                   | 46.2      | 37                        | 70                         | 1.14                 |
| ST 4946 GLB2                | 1117 *                   | 45.1      | 35                        | 65                         | 1.11                 |
| PHY 444 WRF                 | 1106                     | 46.6      | 36                        | 57                         | 1.19                 |
| PHY 487 WRF                 | 1099                     | 45.2      | 38                        | 65                         | 1.09                 |
| DP 1555 B2RF                | 1070                     | 47.2      | 38                        | 53                         | 1.14                 |
| ST 5115 GLT                 | 1062                     | 45.6      | 37                        | 59                         | 1.12                 |
| ST 4747 GLB2                | 1047                     | 45.4      | 33                        | 71                         | 1.14                 |
| ST 6182 GLT                 | 1047                     | 48.6      | 40                        | 62                         | 1.13                 |
| MEAN                        | 1100                     | 46.4      | 37                        | 64                         | 1.13                 |
| C.V.(%)                     | 8                        | .         | .                         | .                          | .                    |
| BLSD(K=50)                  | 57                       | .         | .                         | .                          | .                    |
| S.E.                        | 22                       | .         | .                         | .                          | .                    |

**\*\*Highest yielder. \*Not significantly different from highest yielder.**

**C: 3 environments**