

**Media Test 2004**

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Thirteen entries were tested in 2004. All media were used directly from the bag without adding any water. Two types of trays (242 cell) were filled mechanically with a Berry Seeder filler box. One tray was from Kentucky Burley Molding, the other tray was a “glazed” tray from Beltwide Inc. After adding a bag of media to the hopper the first three trays were discarded and the next six trays were kept for the test. Trays were seeded with Rickard TN90 pelleted tobacco seed and floated in a randomized block design in a common float bay. Temperature was maintained between 68 to 82 °F during germination. Dry cells, germination and spiral roots were counted 2 weeks after seeding. Questions? Contact Bob Pearce at [rpearce@uky.edu](mailto:rpearce@uky.edu).

Germination rate of TN 90 burley tobacco seed on different brands of media.

Brand of Media	Kentucky Burley Molding Tray	Beltwide “Glazed” Tray	Media Avg.
Burley Gold	97.0	96.8	<b>96.9</b>
Carolina Silver	96.4	95.9	<b>96.1</b>
Carolina Choice	95.9	96.4	<b>96.2</b>
Promix TA	*	94.6	<b>94.6</b>
Promix TA + biofungicide	95.6	97.1	<b>96.3</b>
Scotts Terra-lite	96.2	97.1	<b>96.7</b>
Scotts w COIR	94.9	97.0	<b>95.9</b>
Southern States	93.2	96.0	<b>94.6</b>
Southern States w COIR	98.0	96.7	<b>97.4</b>
Speedling Peat-lite	95.3	96.1	<b>95.7</b>
Speedling Fortified	96.6	97.9	<b>97.3</b>
Sunshine LT5	94.1	95.4	<b>94.8</b>
Sunshine LT 5 + rootshield	98.2	96.8	<b>97.5</b>
<b>Tray Avg.</b>	<b>96.0</b>	<b>96.5</b>	

No significant interaction or tray effect. LSD 0.05 for media effect = 1.9.

\* Data not analyzed due to seeding problem.

Spiral root rate of Tn 90 burley tobacco seed on different brands of media.

Brand of Media	Kentucky Burley Molding Tray	Beltwide "Glazed" Tray	Media Avg.
Burley Gold	4.3	5.8	<b>5.1</b>
Carolina Silver	5.8	6.7	<b>6.2</b>
Carolina Choice	6.9	8.0	<b>7.5</b>
Promix TA	*	4.7	<b>4.7</b>
Promix TA + biofungicide	6.9	5.8	<b>6.4</b>
Scotts Terra-lite	6.7	5.0	<b>5.9</b>
Scotts w COIR	12.6	15.0	<b>13.8</b>
Southern States	6.2	6.2	<b>6.2</b>
Southern States w COIR	6.9	6.4	<b>6.7</b>
Speedling Peat-lite	3.2	4.2	<b>3.7</b>
Speedling Fortified	5.6	4.0	<b>4.8</b>
Sunshine LT5	3.4	3.4	<b>3.4</b>
Sunshine LT 5 + rootshield	4.5	3.8	<b>4.3</b>
<b>Tray Avg.</b>	<b>6.1</b>	<b>6.1</b>	

No significant interaction or tray effect. LSD 0.05 for media effect = 2.7.

\* Data not analyzed due to seeding problem.

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