

**Tobacco Float Media Test 2005**

Bob Pearce and Jack Zeleznik

Nine entries were tested in 2005. All media were used directly from the bag without adding any water. Kentucky Burley Molding trays (288) were filled mechanically with a Berry Seeder filler box. After adding a bag of media to the hopper the first three trays were discarded and the next four trays were kept for the test. Trays were seeded with Rickard TN 90LC 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. No dry cells were observed in any of the media. Germination and spiral roots were counted 2 weeks after seeding. Germination was high and spiral root incidence was very low overall. Conditions were generally cool and cloudy during germination. Useable plant numbers were determined 7 weeks after seeding. Questions? Contact Bob Pearce at [rpearce@uky.edu](mailto:rpearce@uky.edu).

Germination rate and Spiral root incidence of TN 90 burley tobacco seed on different brands of media.

<b>Brand of Media</b>	<b>Germination %</b>	<b>Spiral Root %</b>	<b>Useable Plants %</b>
Burley Gold	96.5	1.9	90.5
Carolina Silver	97.0	0.7	91.5
Carolina Choice	95.9	0.9	90.8
Kentucky Pay Dirt	96.5	0.6	92.3
Southern States	95.5	0.1	92.2
Speedling Peat-lite	94.5	0.4	86.3
Speedling Fortified	96.5	0.5	88.5
Sunshine LT5	95.3	0.8	91.3
Sunshine "Metro Mix" (Scotts)	95.9	0.4	88.1
<b>LSD 0.05</b>	<b>1.8</b>	<b>0.9</b>	<b>2.6</b>

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