

Tobacco Float Media Test 2008

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Ten entries were tested in 2008. All media were used directly from the bag without adding any water. Speedling trays (288 cells) 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 and 82 F during germinating. Dry cells, germination and spiral root were counted 21 days after sowing, and useable seedlings at transplanting time. Weather conditions were cool and humid through the two weeks after sowing.

Brand of Media	Germination, %	Spiral Root, %	Useable Plants, %
Burley Gold	98.3	1.5	93.4
Carolina Choice	98.2	2.5	93.1
Carolina Silver	98.2	1.8	92.1
Premier Promix FPX	98.7	16.0	69.5
Premier Promix TA	98.4	1.5	94.2
Southern States	98.3	3.3	91.5
Speedling Fortified	98.6	1.2	94.7
Speedling Lite	98.6	1.1	92.1
Sunshine LT5	97.7	0.6	91.1
Sunshine Metromix	98.6	1.0	94.8
LSD_{0.05}	1.3	1.7	2.7