

TFS Longleaf Seed Production

1. Masterson State Forest

The Masterson State Forest seed production area was created in 2016 from an existing 27-year-old 3.0-acre longleaf progeny test. A total of 138 trees remain based on family performance for volume and survival. Management for seed production is expected to begin in 2017. **Seedlings produced from this orchard seed are expected to be about 10% better than those produced from woods-run seed from southeast Texas, with an expectation of 10% more volume per acre and seven percent better survival.** The name and origin of the selections and number of trees remaining for each appear below.

Selection	Origin	# trees
US1PPA4	SE TX	8
US1PPA3	SE TX	8
SWLL-98	S LA	5
OI-LL-33	S LA	3
SWLL-78	Vernon Parish, LA	6
SWLL- 1	Jasper County, TX	7
IP- 94B	N LA	6
C21B-LL	SE TX	7
OI-LL-12	Vernon Parish, LA	7
SETX C	SE TX	8
SWLL-32	Newton County, TX	7
OI-LL-47	S LA	8
OI-LL-31	S LA	8
SMS A	S MS	6
C15G-LL	SE TX	8
NLA A	N LA	7
SLA C	S LA	7
OI-LL-38	S LA	5
IP-107B	N LA	1
SLA A	S LA	2
SWLL- 4	Jasper County, TX	1
C19L-LL	SE TX	2
IP-109B	N LA	1
SETX A	SE TX	1
MFC-LL-38	Forrest County, MS	1
C15B-LL	SE TX	2
IP- 93B	N LA	1
NLA C	N LA	3
MFC-LL-59	Forrest County, MS	1
FS-50J	N LA	1
	TOTAL	138

TFS Longleaf Seed Production

2. Magnolia Springs Seed Orchard 1213

This seed orchard consists of **grafted selections** made from within several WGFTIP longleaf progeny tests. Longleaf families were selected for overall volume superiority and phenotypic selections made within each family based upon growth and form. Initial grafting has been completed on five acres with expansion planned for a total of 12.5 acres. Seed production on the initial 5-acre block is expected in 2025. **Seedlings from this orchard seed are expected to be about 28% better than those produced from woods-run seed from southeast Texas, with an expectation of 17% more volume per acre.** The selection name and origin and expected number of trees grafted for each when the orchard is completed appear below.

Selection	Origin of Parent	# trees
LLSG-61	S LA	30
LLSG-62	S LA	30
LLSG-63	SE TX	30
LLSG-64	SE TX	30
LLSG-65	Jasper County, TX	30
LLSG-66	Jasper County, TX	30
LLSG-67	SE TX	30
LLSG-68	N LA	30
LLSG-69	SE TX	30
LLSG-70	Lamar County, MS	30
LLSG-71	SE TX	30
LLSG-72	N LA	30
LLSG-73	SE TX	30
LLSG-74	SE TX	30
LLSG-75	N LA	30
LLSG-76	Vernon Parish, LA	30
LLSG-77	S LA	30
SWLL-25	SE TX	30
US1PPA 4	SE TX	30
US1PPA 3	SE TX	30
	TOTAL	600