

Grant Report_Joseph James_____ June, 2011

Expenditures

New Infrastructure:

Irrigation System_____ Total cost \$ 11,000

Paid for from 3 sources: 1) \$ 5,000 from a Fish and Wildlife grant

2) \$ 3500 from TACF grant

3) \$ 2500 from my personal funds

Other Seed Orchard Costs_____ 1) Moving established B3 and B2 trees to a site away from the

Seed orchard. 29 trees were moved_____ \$ 1,100

2) 56 rolls of 2' X 50' hardware cloth_____ \$ 1150

SUPPLIES_____ 1) Three 150 gal. tubs_____ \$ 524

2) 144 bags of Fafard 3B planting mix_____ \$ 1158

Fuel and Maintenance _____ \$ 400

Fertilizer_____ \$ 250

Miscellaneous_____ \$ 500

LABOR_____ \$ 3400

TOTAL_____ \$ 19,482

NARRATIVE:

This has been a very different year than was anticipated. There have been several areas of expansion that were not considered at the time of my original grant application, but these are things that work toward the same ends. The irrigated seed orchard, approved by the science cabinet, is a one time expense. It is fully functional and contains some 200 B3F3 hybrids. An additional 200 or so B3F3's are planted in 2 tubs via the standard tub method. I have ~ 1400 B4F1 seedlings in 10 tubs. All but 100 of these trees will be inoculated with P.C. in the next 14 days. I think the amount of my grant will be adequate in future years barring any unforeseen large expenses such as the irrigation system.

Last week myself and a team of 6 others from CU, plus Steve B. and his nephew sampled each of 1450 seedlings and tagging each tree for the Fagaceae project (free of charge to them I might add).

Also I received 15 Transgenic trees from UGA and 29 from SUNY which Steve Jeffers and I plan to inoculate as soon as they get their root systems are established in a month.

Submitted by Dr. Joseph B. James, this 21st of June, 2011