

Golden Leaf Grant - Agriculture
Alamance County Cooperative Extension
Sustaining the Field Crop Growers
Budget for equipment

Construction

- **30'x60' Pole Shed to house Equipment @ Buster Sykes Farm, Mebane with land prep and assembly**
 - <https://buildersdiscount.net/wp-content/uploads/2023/05/Pole-Shed-Pricing-051623.pdf>
 - Would like to enclose at least one side, preferably 3 sides to protect everything from weather
 - Excavation and stone floor

Estimated Cost: \$40,000

Equipment & Supplies

- **2023 Ford F-350 XLT**
 - <https://shop.ford.com/configure/superduty/config/interior/Config%5B%7CFord%7CSuperDuty%7C2023%7C1%7C1.%7C...PZ1..882.62S.CBB.85S.XLT.17X.AILDS.61N.166.15J.CRW.SRW.99T.592.66S.350.X3H.52T.CLO.%5D?intcmp=vhp-bb-fbc>

Estimated Cost: \$84,000
- **New Holland WorkMaster 60 Tractor w/ Loader**
 - Just has 4WD option, possibly would have to add other options from dealer to function with equipment

Estimated Cost: \$59,000
- **Par-Kan Weigh Wagon For use in Farm Demonstration Plots & Calibrating Yield Monitors on Combines**
 - <https://www.par-kan.com/product/gw200a/>

Estimated Cost: \$30,000
- **2024 PJ 30ft LD 25K Gooseneck w/ Flip Over Ramps, Chains, binders, For hauling equipment tags, trailer lock, etc.**
 - <https://www.superior-trailer.com/2024-pj-30ft-lid-25k-gooseneck-w-flip-over-ramps-bPro.html>

Estimated Cost: \$21,500
- **4 Row 3 point hitch Planter with In-Furrow Fertilizer Setup and 2x2 capability**

Estimated Cost: \$21,500
- **5 foot Great Plains drill- 3 pt hookup**
 - <https://www.greatplainsag.com/en/products/11026/3p500--3p600>

Estimated Cost: \$10,000
- **3 Point Research Boom Sprayer and Teejet Sprayer parts & Nozzles**
 - Working on getting more details of what this would look like, something along the lines of:
<https://co2sprayers.com/shop/ols/products/t-2-15g>

Estimated Cost: \$7,000
- **Backpack Sprayer Apparatus for plot research**
 - 315 backpack - comes with 315-107 base= \$400
 - 3 107-BG stainless steel beverage containers w/all parts: = \$855
 - 5- 100E O-ring = \$25
 - 3- 107-LID = \$90
 - 3 201S 2-liter plastic spray headers for plastic containers = \$450
 - 5 282-6 2-liter Plastic spray containers = \$125
 - 4 CO2 cylinders with valves= \$680
 - 1 3 nozzle (601D) = \$250 and 1 4 nozzle (601B) booms = \$300

- pressure gauge and adaptor for boom handle= \$50
- 307-60 CO2 Regulator = \$125
- 8 408A hoses= \$320

Estimated Cost: \$4,500

- **DJI Mavic 3 Multispectral M3M With Enterprise Care Plus 1 Year + 3 additional batteries and charging hub**

- <https://www.dronerds.com/products/drones/enterprise-drones/dji-mavic-3-enterprise-series/dji-mavic-3-multispectral-m3m-with-enterprise-care-plus-1-year.html>
- <https://m.dji.com/product/dji-mavic-3-enterprise-battery-kit>

Estimated Cost: \$7,000

- **150 gallon Nurse tank, 12 volt transfer pump, and 3 Right angle prism**

- <https://www.northerntool.com/products/snyder-industries-square-ended-poly-sprayer-tank-150-gallon-capacity-156896>
- https://www.northerntool.com/products/gol-pumps-790-gph-12v-dc-max-flow-790-gph-port-size-1-in-volts-12-dc-model-wwb-11918-4593894?cm_mmc=Google-pla&utm_source=Google_PLA&utm_medium=Water%20Pumps%20%3E%20Centrifugal%20Pumps&utm_campaign=Gol%20Pumps&utm_content=4593894&ogmap=SHP%7cPLA%7cGOOG%7cSTND%7cm%7cSITEWIDE%7cINTRADE%7c%7c%7c%7c857740959%7c42214668623&gclid=CjwKCAjw67ajBhAVEiWA2g_jEKoSjd7HwE_Xke_NQefrMGBwBEo5BBCBQTozqCz0yn2DbFOAusQ89hoCWrwQAvD_BwE&gclsrc=aw.ds
- https://www.amazon.com/AdirPro-Double-Right-Angle-720-03/dp/B00K7FNJJ2/ref=sr_1_4?crid=22O1IK9AZC8BW&keywords=right+angle+prism&qid=1684955707&srefix=right+angle+prism%2Caps%2C126&sr=8-4

Estimated Cost: \$1,500

- **Diesel Fuel Storage Tank, Transfer Pump, Auxiliary tank for Truck, Hand pump**

- <https://www.agrisupply.com/525gal-single-wall-stout-tank/p/120467/>
- <https://www.agrisupply.com/fill-rite-fr4210hbfq-12v-dc-hi-flow-pump-fill-quik/p/84156A/>
- <https://www.agrisupply.com/vertical-transfer-tank/p/86464/>
- <https://www.agrisupply.com/fill-rite-piston-hand-pump/p/11563/>

Estimated Cost: \$4,000

Total Equipment \$250,000.00

- **Operation and Maintenance for Equipment for the first year:**

Estimated Cost: \$10,000

Total Estimated for project \$300,000.00