What tools are in your MAgrAbility truck?





Kyle Haney Ned Stoller

Site Visit "Go Bag"

















































































































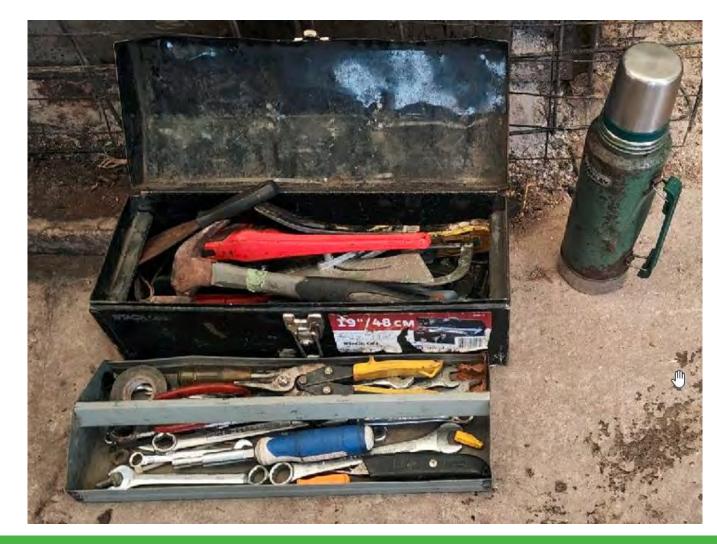






























































Unique Items In Our Vehicles: Use my recommendations











Unique Items In Our Vehicles: Use my recommendations



















How To Fund Tools

- Donations
 - Companies
 - Private Individuals word of mouth or advertise in the classifieds of a local paper
- Charging for Installations
- Fundraisers
 - Sell food items
 - Go Fund Me
 - Golf Tournament
 - ETC...
- Federal Surplus
- State Surplus
- University Surplus
- Salary Savings







How To Fund Tools: farmer to farmer





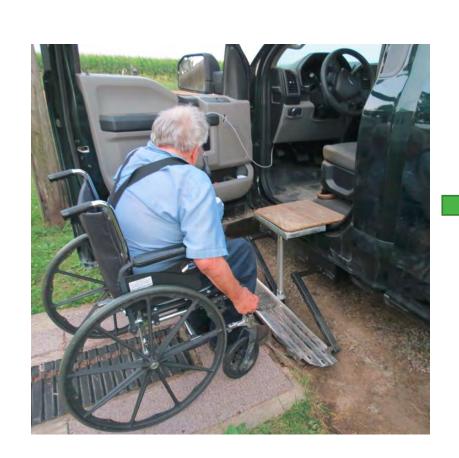








How To Fund Tools: farmer to farmer











How To Fund Tools: Garage sales, Craigslist, Auctions





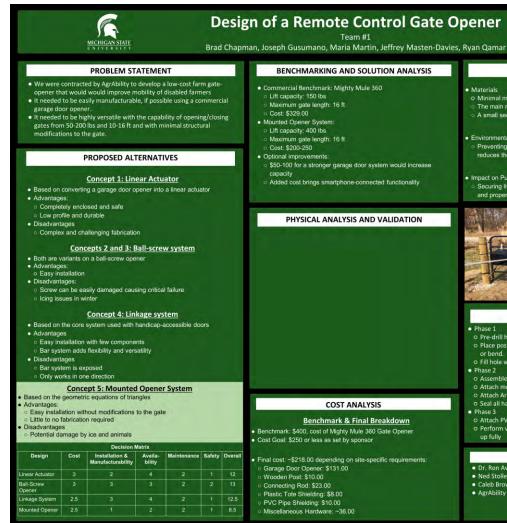






How To Fund Tools: Capstone projects

NAgrAbility



BENCHMARKING AND SOLUTION ANALYSIS SUSTAINABILITY Commercial Benchmark: Mighty Mule 360 o Minimal materials were required, minimizing environmental impact The main material is easily recyclable steel A small section of the gate is a recyclable plastic tote housing Preventing the free-roam of livestock around open waterways reduces the likelihood of pollution \$50-100 for a stronger garage door system would increase . Impact on Public Safety Added cost brings smartphone-connected functionality Securing livestock in penns reduces the possibility of harm to people PHYSICAL ANALYSIS AND VALIDATION INSTALLATION o Pre-drill hole to insert post at appropriate location. o Place post in hole, secure post such that it does not rotate, sink, o Fill hole with cement. • Phase 2 o Assemble motor and track before attaching to gate. o Attach motor/track to gate using U-Bolts. o Attach Arm to post and to cart. COST ANALYSIS o Seal all hardware using adhesive o Attach PVC to rail to protect from snow and ice. Benchmark & Final Breakdown o Perform validation to ensure track moves freely and gate opens Benchmark: \$400, cost of Mighty Mule 360 Gate Opener **ACKNOWLEDGEMENTS** • Final cost: ~\$218.00 depending on site-specific requirements: Dr. Ron Averill, Academic Advisor · Ned Stoller, Industrial Advisor from AgrAbility Caleb Brown, Customer









What do you have in your AgrAbility vehicle?







THANKS!

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