**Mission of AgrAbility Project**

**Mission**

The vision of AgrAbility is to enhance quality of life for farmers, ranchers, and other agricultural workers with disabilities, so that they, their families, and their communities continue to succeed in rural America. For this target audience, "success" may be defined by many parameters, including: gainful employment in production agriculture or a related occupation; access to appropriate assistive technology needed for work and daily living activities; evidence-based information related to the treatment and rehabilitation of disabling conditions; and targeted support for family caregivers of AgrAbility customers.
Assisting the Mission

- Gainful Employment in Production Ag or Related Occupation
  - Decision Making Based upon Timely and Accurate Data
  - Efficiency Increases by reducing time to complete Dull, Dirty or Dangerous Tasks
  - Increase Return on Investment via Technology
Barger Drone
Tools. Not Toys.
Barger Drone
Current Products & Services

DJI Drone Packages for Ranchers

Automated Drone Flight Software – Checks Tanks

Rugged Cellular Cameras – Checks Tanks
Gainful Employment in Production Ag or Related Occupation

UAV (Drone) Can Help:

- See Problems with Livestock or Crops
- Low Entry Cost
- With Experience, Herd Livestock
Current Drone Technology

- DJI Phantom 4 Quadcopter
  - Range: Up to Two Miles
  - 20 MP Camera and 4K Video
  - 30 Minute Battery
  - Speed: Up to 40 mph

- Daylight Readable, Rugged Tablets
- Rescue Tracker (if unplanned landing or crash)
Advantage of Drones for livestock producers

- Technology Substitutes for Labor
- Faster Data and Additional Insights

**Return on Investment**

- 2 Cows or 3 Calves Saved = System paid off
- Time Saved Checking Animals and Water
Future Drone Technology

- Senseology Livestock Companion
  - Range: Up to Five Miles
  - 40 Minute Battery
  - Semi-Automated: Pictures, Video and Cattle Counts done automatically
- Report and Video appears on Cell Phone
- Testing in Spring 2019
Coming Soon –
Swiss Engineered Automated Drones

Barger Drone and Senseology:
Drone Packages for Livestock Producers
Designed by Livestock Producers

Autonomous Drone Platform

- Automated Flights - Instant Data on your herd
- Reports on your cell phone showing:
  - Sick or Calving Animals
  - Cattle Counts
  - Strays
  - Empty Water Tanks
  - Broken Fences and More
- Photos and Videos from each flight accessible from the internet
- Reduce Labor and Equipment Costs with Automation

Have an FAA Part 107 Licence?
Contact us about Beta Testing!
Barger Drone, 2117 Blake St., McCook, NE 69001
For more information on these prototypes, go to bargerdrone.com, or send us an email at info@bargerdrone.com
Any Cows Isolated?

Any Cows Having Trouble Calving?
Examples of Drone Pictures – Checking Bunks
Why is this cow isolated?
Is she having trouble?
Is her calf having trouble?
Can you check 80 acres in 4 minutes?
Drones Can Be Operated by Producers with Varying Abilities
Crop Condition Review using Analysis Software
Mapping and Crop Analysis Vendors
Think Bright
Sunlight is not a problem when flying? Think Again.

Daylight Viewable Tablets
Critical Component for Drone Flying
T71 Rugged Tablet

Samsung Tab
Active Tablet

Daylight Readable
Tablets offered by
Barger Drone
Flying is Fun.
Save Time  
Gain Actionable Data  
Increase Return on Investment  
Reduce Labor Expense  
Technology To Help Livestock Producers
Solutions for Livestock Producers’ Dull, Dirty and Dangerous Tasks

DRONES

CELLULAR –BASED CAMERAS

3D VISION WEIGHT MEASUREMENT SYSTEM
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