

UAVs and Animal Agriculture

Russ Wilie

Wildflower International

Enumerate. Tally. Compare.

- ▶ • Reads footage of any kind and counts anything you program it to count
- ▶ • Can be trained to learn and detect any object: animals, cars, trees, animate and inanimate objects
- ▶ • Trained to detect 2000+ objects, and can be trained to count anything
- ▶ • Integrates with drone technology to learn, detect and count anything from the sky
- ▶ • The enumeration process is accurate to 99+%



Infinite Possibilities

- ▶ • What used to take dozens or hundreds of man-hours now takes a fraction of the time
- ▶ • Ground-based visibility issues are inconsequential
- ▶ • Difficult to reach terrain is now accessible
- ▶ • 1000s of acres can be numbered in a fraction of the time
- ▶ • Human error is eliminated
- ▶ • Compare data sets across any time period
- ▶ • It is infinitely scalable



How we see them used today

- ▶ Health monitoring
- ▶ Range management
- ▶ Water lines
- ▶ Fence lines
- ▶ Pesticide Spraying
- ▶ Herbicide Spraying
- ▶ Controlled burning



How the future looks

- ▶ Medication administration
- ▶ Remote tagging
- ▶ Herd Defense (non-lethal)
- ▶ Automated stockyard management



Thank you

- ▶ Russ Wilie
- ▶ Wildflower International
- ▶ rwilie@wildflowerintl.com
- ▶ 505-366-8355