

WEED-IT
 precision spraying



- ▶ Target the weeds and only the weeds with Infrared Chlorophyll Detection
- ▶ Each sensor controls 4 nozzles to optimize spray efficiency
- ▶ 99% accuracy in all ambient lights
- ▶ 1 button start up
- ▶ PWM Rate Control
- ▶ Self Calibrating
- ▶ Speed & Turn Compensation

BURRO
GRANDE Specs

Dimensions & Weight

LENGTH 58.75 in (149.2 cm)	WIDTH 48 in (121.9 cm)	WEIGHT 1081 lbs (490 kg)
PAYLOAD AREA 50 in (127 cm) x 48 in (121.9 cm) Solid Steel Tray	HEIGHT 56 in (142.2 cm) (To Top of Beacon); 23.5 in (159.7 cm) (To Payload Area)	

Computing & Sensors

GPS 30 LIDAR	MODEM 4G LTE Modem
CAMERA SYSTEM 4 x Stereo Camera (12 Cameras in Total)	CPU & GPU All Computing Onboard/Local

Interface & Safety Features

SCREEN 7" LCD Touch Monitor	REMOTE VIEW Online dashboard view: See robot on map, what it's doing, and what it's seeing
RESOLUTION 1024 x 600	

Carrying & Towing Capacity

MAX CARRYING PAYLOAD 1000 lbs (454 kg)
MAX TOWING PAYLOAD 5000 lbs (2268 kg)

Power & Range

BATTERY RANGE Min. 15 mi (24 km)	MAX SPEED 5.8 mph output shaft	CHARGING INPUT 100-240 VAC, 50-60Hz: 8-10A at 120 VAC, 4-5A at 240 VAC
POWER SOURCE System: 48VDC, 2 x 51.2V 100Ah Lithium Iron Phosphate (LFP) battery	MOTORS 4x Ruggedized heavy-duty dual-stage helical wheel drive with high-capacity output shaft PEAK POWER 12.6 hp (9.4 kW)	



Burro Grande + WEED-IT is the ultimate combination for weed control in orchards and vineyards

The Burro Grande is a heavy duty robot now fitted with WEED-IT precision spray sensors to decrease herbicide usage and increase productivity.



Fully Robotic



Customizable to spray berms only or berms and centers



One time setup