



SpartanLync
TECHNOLOGIES



Orchard unmanned vehicle

Meet your new partner in vineyard and orchard management. It covers 3 acres per hour, supported by a 6-hour runtime and a 450-liter tank to tackle large fields without interruption. The robust crawler chassis conquers rough terrain and slopes, ensuring no plant is left unprotected — a cost-effective solution to secure your harvest.

Product Features



High Intelligence

- Unmanned operation
- Autonomous path planning; GPS + visual navigation for course correction ensures high operational accuracy; unaffected by GPS signal loss
- Equipped with a radar for autonomous obstacle avoidance and collision prevention
- Automatically adjusts spraying volume based on real-time vehicle speed for precise chemical application
- Separates the operator from pesticides (enhanced safety)



Superior Spraying Performance

- Airblast atomization system with plunger pump minimizes drift and provides superior coverage & in-depth reach
- 12 sets of dual-caliber nozzles for fine atomization; adjustable pressure, airspeed, and baffles
- Effective spray: 15 meters wide; 5 meters high
- Dual-stage filtration system at inlet and outlet effectively prevents flow clogging



All-Terrain, Long Runtime & Superior Efficiency

- Crawler chassis with a maximum 25° climbing ability, suitable for various agricultural scenarios
- Long endurance: Hybrid diesel-electric system with a 13kW diesel engine provides up to 6 hours of runtime; 45AH battery pack; 450-liter tank for prolonged spraying
- High efficiency: Covers 3 acres per hour