

FARMDROID



FARMDROID FD20 AUTOMATIC SEEDING & WEED CONTROL

A Revolution in Weed Management

The FarmDroid FD20 is a solar-powered, fully automatic robot that seeds and weeds with exceptional 8 mm GPS precision. With over 500 robots successfully operating in 26 countries, FarmDroid has proven itself as a reliable and powerful solution for farmers.

Designed to stay in the field all season, the FD20 runs on solar energy and can be equipped with power banks to ensure uninterrupted operation, even during cloudy days.

Our latest innovation, FarmDroid +Spray, takes weed management to the next level by introducing precision micro-spraying. This system reduces plant protection substance use by up to 94% in conventional farming, spraying only where needed—directly on or in between plants. By cutting fuel expenses, labor, and chemical usage, FarmDroid enhances efficiency while promoting eco-friendly farming practices.

If we can seed it, we can weed it!

The FarmDroid FD20 is compatible with over 50 crops, and we're continuously expanding its capabilities. The robot's row spacing, plant distance, seeding depth, speed, and tolerance are all adjustable to suit your specific crops, soil type, and preferences.



Solar powered
with optional
batteries



CO2 neutral
operation



Exceptional
8mm GPS
accuracy



Hybrid weed
control for
optimal results



Works with 100+
types of crops




FarmDroid FD20

TECHNICAL SPECIFICATIONS



Model name	FD20 2025 v2.6
Working width	Up to 3.5 meters / 138 inches
Daily capacity	Up to 6 ha / 15 acres
Battery capacity	6 kWh (up to 12 hours of extra operation, depending on soil type, wetness, working depth and task)
Seed box capacity	5-7 liters / 1.3-1.8 gallons per seed box
Wheel distance	160-230 cm / 63-90 inches
Max speed in highly automated mode	950 m/h / 0.6 mph
Max speed in manual mode	1.100 m/h / 0.7 mph
Max recommended pitch and roll for operation without Active Front Wheel	8% for pitch, 5% for roll (depending on soil type, wetness, and general properties)
Max recommended pitch and roll for operation with Active Front Wheel	10% for pitch and roll (depending on soil type, wetness, and general properties)
Row distance configurable from	22.5 cm / 9 inches
Number of rows	Configurable with 2 to 12 rows
Standard robot weight	1250kg / 2755 lbs
Max robot weight with extras	1800 kg / 3968 lb
Operating temperature	0-40 degrees Celcius / 32-104 degrees Fahrenheit
Storage temperature	-10-50 degrees Celcius / 4-122 degrees Fahrenheit
Expected lifetime	10+ years for main components when professionally maintained
Compatible crops	100+ different crops including rapeseed, chicory, cab bage, onion, spinach, sugar beet, soya beans, green beans, field beans, chickpeas, maize, and many more!
Compatible seed size	Seeds from 0.5 mm to 14 mm

CONTACT

 +45 8863 8766

 info@farmdroid.com

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