

# CAPABILITIES STATEMENT

## ABOUT CIRRUS AG

Cirrus Ag operates a state-of-the-art manufacturing plant in Rockhampton, Australia, specialising in granular products that meet high safety, environmental, and community standards. With additional facilities in Orange, NSW, we utilise advanced low-pressure extrusion and high-pressure flat die press equipment to produce water-dispersible granules (WDG) and soluble granules (SG) for herbicide and pesticide applications.

Our quality-assured processes ensure consistent pellet size, crush size and accurate composition, moisture content (and crush strength). Designed for sustainability, our plant minimises costs through waste capture and recycling, while we lead in renewable energy usage.

Backed by a highly trained team with over a decade of experience, our production capabilities range from small batches to bulk outputs exceeding 1 tonne per hour, depending on the process and ingredients used.

## KEY OFFERINGS

- Granule prototyping
- Granule bulk manufacturing, including coating, spheronisation, moisture reduction, quality control, packaging, storage and logistics

## CORE CAPABILITIES

### A. PROTOTYPE OF GRANULAR PRODUCTS

- Small batch mixing of dry and wet ingredients
- Granule drying
- Granule sizing
- Moisture, content and hardness testing

### B. COMMERCIAL MANUFACTURE OF GRANULAR PRODUCTS

- Automated mixing of dry and wet ingredients with the ability to vary recipes during production
- Foreign object detection and rejection control system
- Granule forming via low pressure extrusion or flat die pressure forming
- Variable throughput control
- Granule coating and spheronising
- Granule drying and sizing
- 7 individual bulk feed hoppers and 1 x addition hand tip station all equipped with dust control measures

### C. EFFICIENT LOGISTICS

- Raw material and finished goods warehousing and logistics management in a modern, secure, purpose-built facility
- Large yard access capable of handling B-double trucks comfortably
- Ideally located within a 5 minute drive from major artillery road (M1-Bruce Highway)

## MACHINE TOLERANCES

MACHINE TOLERANCE CAPABILITY	MINIMUM	MAXIMUM
Bulk Density	700kg/m <sup>3</sup>	1800kg/m <sup>3</sup>
Pellet Size (Flat die press)	2mm	14mm
Throughput (Flat die press)	0.3t/h	1.2t/h
Pellet Size (Extrusion)	1mm	5mm
Throughput (Extrusion)	0.05t/h	0.1t/h
Coating Pressure <sup>^</sup> 80PSI – Spray nozzles can be added - machinery is adjustable.		
Raw materials packaging size	20kg bags	1200kg bags
Final product packaging size	750g	1000kg bags