

Chemical Dynamics, Inc.

Manufacturing Capabilities Overview

Four manufacturing tracks for brand owners, distributors, retailers, and channel partners — backed by 50+ years of liquid chemistry experience in Plant City, Florida.

1 Branded Products

Carry established Chemical Dynamics product lines with field-proven formulations, in-house quality control, and agronomy support.

- CEIA, Verdant, FLITE, Heron, SOAR, Dyna-Flo, Dyna Gold, Dyna-Gro, DynaZone, and Dyna Green
- Liquid foliar, in-furrow, biological, turf, and adjuvant lines
- Lot-traceable QC and compliant product labels
- Channel-first support: we sell through you, not around you

2 Custom Formulation

Build a proprietary liquid formulation around a regional crop, turf need, application window, or market position.

- 500-gallon commercial minimum per SKU
- Macronutrient, micronutrient, biostimulant, and surfactant chemistry
- Stability and tank-mix compatibility testing
- Pilot batches, COA, and lot documentation
- Customer-owned formulation under a written supply agreement

3 Private Label

Put your brand on a proven CDI catalog formulation without taking on a full R&D; cycle or an enterprise-sized starting order.

- 500-gallon catalog runs; best pricing at 2,500 gallons and above per SKU
- High-N foliar: Dyna-Flo 12-3-6 and DynaZone 18-3-6
- Calcium: DynaCal; micronutrients: Dyna Gold; biologicals: FLITE Aqua Bio
- Turf N-P-K and premium biostimulant formulations
- Standard 2.5-gallon CDI jugs packed 2 per case
- In-house label printing and application, case labels, shrink, pallets, and UPC support
- State fertilizer registration and guaranteed-analysis review

Private Label: Expected Process

Registration is included in the schedule so it does not become a surprise after pricing.

1. Formula selection 2–5 business days	Match the market and price point to a proven catalog formulation.
2. Analysis and specification 2–5 business days	Review guaranteed analysis, product specification, and intended use.
3. Pricing 2–3 business days	Confirm annual volume, standard packaging, delivery, and pricing tier.
4. Label and registration review 1–3 weeks or longer by state	Draft the label and review state fertilizer registration and guaranteed-analysis requirements.
5. First run About 3–4 weeks after approvals	Print and apply labels, blend, fill, case, and complete lot-tracked QC.
6. Ship Scheduled with your team	Configure the pallet and ship to the approved destination.

4 Toll Blending & Packaging

Bring your formulation, components, or bulk material. CDI blends, packages, documents, and ships to specification.

- Tanker- and tote-scale liquid blending
- Inline filtration, calibrated metering, and QA sampling
- Approved container and bulk-fill programs
- COA and lot documentation per run
- Written confidentiality and formula-custody terms
- Approximately 10–15 years toll-blending phosphites for Verdesian

Facility & Credentials

Plant City Industrial Park · 50+ years of continuous operation · Florida Department of Agriculture registered · Lot traceability on every batch · Liquid and dry blending · Nationwide shipping from Plant City, Florida.

Start a Project

Email contactus@chemicaldynamics.com or call 813-752-4950. For private label, be ready to share your market, formula starting point, target package, annual volume, states of sale, and whether your brand already exists.