

## CHEMICAL IP

CHEMISTRY / SYSTEMS / SCALE

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MARKETS SERVED / AGRICULTURE

# Agriculture

Water efficiency, formulation aids, and specialty polymer concepts.

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Adapt polymer and surfactant expertise to water and formulation problems in agriculture.

APPLICATION • PROOF • COMMERCIAL SCALE



01 / 04



## AGRICULTURE / 01

# Application opportunities

The relevant starting point is the crop system, water chemistry, delivery equipment, and intended use.

## IRRIGATION WATER

Coagulation, filtration support, and reuse chemistry may help manage challenging source water.

## FORMULATION AIDS

Surfactant and rheology tools can be evaluated for wetting, suspension, and handling.

## SOIL AND WATER

Specialty polymer concepts can be screened for water management in defined applications.

## MANUFACTURING

Small modular or toll campaigns allow customer-specific specialty formulations.

**Agricultural end uses require their own regulatory review and field validation.**



## AGRICULTURE / 02

# Translate the platform

Experience in industrial water and polymers supplies a development toolkit, not a one-size-fits-all farm product.

**DEFINE USE**

Specify application method, formulation partners, water source, and environmental exposure.

**SELECT CHEMISTRY**

Screen polymer charge, molecular weight, surfactant package, and compatibility.

**QUALIFY**

Test storage, tank-mix behavior, delivery equipment, and intended performance.

**SCALE**

Prepare a product specification and manufacturing route only after fit is demonstrated.

**Product registration and permitted claims are established for the target jurisdiction and application.**



## AGRICULTURE / 03

# Partner development

Chemical IP can work with agricultural formulators, water service firms, and equipment makers.

**CO-DEVELOPMENT**

Bring a defined formulation or water bottleneck to the lab.

**FIELD VALIDATION**

Set a trial around application rate, performance, and crop or system conditions.

**SUPPLY MODEL**

Choose custom manufacture, tolling, or protected channel arrangements.

**DATA LOOP**

Connect product lot, field use, and observed outcome for continuous refinement.

**Initial focus: technically measurable water and formulation challenges.**