



2025 Agronomic Insights: Turning Challenges into Profitable Solutions

Proven strategies from ICL to improve yield, reduce inputs, and optimize nutrient efficiency at a reduced cost/acre.

Grower Challenge	ICL Approach	Product Highlights	ICL Results
<ul style="list-style-type: none"> High fertilizer costs & input inefficiency 	<ul style="list-style-type: none"> Use multi-nutrient, low-salt, low chloride, fertilizers and biostimulant-enhanced starters to reduce nutrient rates and field passes. 	<ul style="list-style-type: none"> Polysulphate® CHALLENGE Agrolution pHLow® + BIOZ® Diamond 	<ul style="list-style-type: none"> Lower K and P rates, fewer passes, improved uptake, higher ROI. Improved soil health outcomes and root systems.
<ul style="list-style-type: none"> High soil pH limiting nutrient uptake 	<ul style="list-style-type: none"> Leverage acidifying fertilizers and biological enhancers to unlock nutrients and improve efficiency. 	<ul style="list-style-type: none"> PeKacid® Technology: Nova PeKacid® / Agrolution pHLow® BIOZ® Diamond 	<ul style="list-style-type: none"> Improved P and micronutrient availability, cleaner irrigation systems, nutrient uptake, and stronger starts.
<ul style="list-style-type: none"> Nutrient deficiencies during key growth stages 	<ul style="list-style-type: none"> Apply targeted foliar NPK + micronutrients for quick correction and balanced nutrition. 	<ul style="list-style-type: none"> Nova® Foliar Portfolio (PULSE, FLOW, ELEVATE, FINISH) 	<ul style="list-style-type: none"> Rapid deficiency correction, improved quality and yield with high ROI. Compatible with crop protection inputs (always test!) for flexible, cost-effective results.
<ul style="list-style-type: none"> Yield plateau despite standard NPK 	<ul style="list-style-type: none"> Combine soil, foliar, and biological tools for a complete, systems-based nutrient program. 	<ul style="list-style-type: none"> Polysulphate® + PeKacid® + BIOZ® + Nova® – integrated nutrient system 	<ul style="list-style-type: none"> Higher efficiency, balanced nutrition, improved crop performance at reduced cost per acre.

Star Products of 2025

CHALLENGE® Balanced NPK starter with organic acids for early-season growth and root-boosting advantage — all with no impact on soil pH.

Polysulphate® Multi-nutrient (S, K, Mg, Ca), low-salt, soil-health friendly fertilizer that improves nutrient use efficiency, yield, and overall crop quality for economic and agronomic gains.

PeKacid® Technology Acidifying fertilizers ideal for alkaline systems, lowering pH and increasing nutrient availability and uptake. Includes Agrolution pHLow® and Nova PeKacid® (now in LQ).

BIOZ® Diamond Microbial-enriched nitrogen with fulvic acids for stronger early growth. Ideal for early-season soil activation—apply with burndown herbicide, at planting with starter, or alone.

Nova® Foliar Portfolio Precise, compatible, and flexible foliar micronutrients that correct deficiencies with low use rates and high efficiency, supplementing soil-applied programs to optimize yield and quality. Includes Nova PULSE®, ELEVATE, FINISH, and FLOW.

Why Growers Trust ICL

- ✓ Partners in agronomy — local expertise and trial-results
- ✓ Integrated solutions — soil, foliar, and biological synergy
- ✓ Proven performance — measurable economic benefit
- ✓ Flexible programs — coast-to-coast production and support

Maximize yield and profitability with a systems-based nutrient approach



Connect with your local ICL expert
or visit [ICL-growingsolutions.us](https://www.icl-growingsolutions.us)