AGROSOURCE GROUP TECHNICAL BRIEF

Phyto C3 irrigation and turf briefing

Product distinctions and practical questions for a site review

Purpose and scope

This briefing helps growers and turf managers discuss Phyto-C3 with their adviser. It brings together product descriptions, formulation distinctions and irrigation-maintenance guidance. Supplier claims are identified as such. Use the applicable original label and Safety Data Sheet for product selection, handling and application; this briefing does not replace either document.

Standard Phyto C3

Bio-Organic Catalyst describes standard Phyto-C3 as a water and soil conditioner for irrigation-system cleaning and maintenance. The supplied label identifies yeast extracts and a non-ionic surfactant as non-plant-food ingredients. It explicitly excludes use in organic crop or organic food production. The manufacturer's separate one-sheet covers similar irrigation, storage and handling topics. Neither a label nor a one-sheet demonstrates a predictable crop or turf response at a new site. [1, 2]

PC3 Organic is a distinct product

The supplied PC3 Organic liquid label lists plant-based saponins and yeast extracts, with yucca extract, citric acid and lactic acid in its ingredient table. It describes irrigation-line, field/orchard and center-pivot uses, and states that the product is not a fertilizer. The label carries organic-input attestation information. Verify the applicable formulation and current acceptance with the relevant certifier before organic-production use; a historic label reference alone does not settle that question. [3]

Separate clean out from maintenance

The manufacturer's irrigation-cleaning program distinguishes initial treatment of a fouled system from continued low-dose maintenance after cleaning. Its sequence includes filling the system, allowing contact time and flushing irrigation-line ends. It discusses dosing equipment and different operating contexts, including vineyards and greenhouses. [4] These are planning topics rather than a site-specific prescription. Ask the supplier to reconcile the program with the label for the exact product, water source and equipment. Avoid combining rates from different formulations or language editions.

Documents to bring to the discussion

Bring the container label, Safety Data Sheet, product and formulation name, intended application area, irrigation layout and recent water test. Record the specific document revision being used. This creates a shared starting point before anyone selects an application program or interprets a result.

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What the turf information actually supports

The manufacturer's product-information sheet explicitly addresses golf-course turf. It links its proposed soil and water-management benefits to microbial conditions, oxygen transfer, biofilm breakdown and water movement, including discussion of anaerobic subsurface conditions and black thatch. It also describes nutrient-related benefits while identifying the product as not a fertilizer. [5] This is manufacturer product information. The sheet provides no golf-course trial design, control treatment, sample size or statistical analysis. Its claims should therefore be treated as questions to evaluate locally, not as established performance for a particular course.

A focused site review

The following is an Agrosource discussion checklist, not an application protocol. Define one primary problem before choosing a product: uneven delivery, visible deposits, recurring emitter blockage or a separately assessed root-zone concern. Document its location and timing. Ask which observations support the diagnosis, whether mechanical faults have been checked, and what other maintenance is planned. Agree who will confirm compatibility, handling requirements and the applicable label.

Decide how success will be judged

Select a practical baseline and a consistent follow-up method before treatment. Possible records for discussion include pressure and flow at fixed locations, emitter delivery, flushing observations and irrigation runtime. Keep the measurement points, operating conditions and dates. If turf quality or crop performance is also being assessed, track it separately from irrigation delivery and record concurrent fertilizer, irrigation and maintenance changes. A favorable observation alone cannot identify which change caused it.

Keep agricultural evidence in context

A vineyard, tomato or cucumber result answers a question about its particular crop and test conditions. It does not establish the same outcome in golf turf. Use agricultural evidence to identify useful questions, then require a suitable evaluation for the intended site. Agrosource's companion agricultural evidence review explains the scope and limitations of the source studies.

Sources reviewed

[1] Bio-Organic Catalyst, supplied Phyto-C3 water/soil-conditioner label, undated, p. 1. [2] Phyto-C3 one-sheet, p. 1. [3] Supplied PC3 Organic ready-to-use liquid label, p. 1. [4] Phyto-C3 Irrigation Cleaning Program, p. 1. [5] Phyto C3 Bio-Catalytic Water Treatment product-information sheet, p. 1. Manufacturer publication dates were not established. Page references count PDF pages from 1. Briefing prepared 13 October 2026.