

# WaterSOLV™ for Agriculture

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## WaterSOLV™ CURATIVE

A sustainable solution. A highly acidic, extremely concentrated mixture, fuming, non-corrosive solution, but corrosive fumes, displacing 9 gallons of 93% sulfuric acid with just 1 gallon of WaterSOLV™ Curative. Applied linear, not by pH, to water, water to soil, topically to soil or vegetation, to break down water soluble salts and in soils the accumulated nutrients, minerals and metals into available nutrition, adding to the detoxification of sodium and chloride salts, while restoring pore space, infiltration and reducing bulk density. Primary purpose is to liberate minerals, metals and nutrition in soils and water to always available hydratable nutrition while detoxifying sodium and chloride. Alkalinity and pH suppression, available nutrition, physical soil remediation, infiltration and sodium detoxification are many of the effects of the process resulting in exceptional vegetation growth, health, production and heat stress resistance, with near 15% less water demand. WaterSOLV™ Curative is a replacement of products used to lower pH, reduce alkalinity, make available nutrition, liberate all minerals and metals and alleviate the need to try to force feed calcium through the addition of gypsum. Ideal for all forms of irrigation, flood, drip, emitter, periodic topical to soil. Compatible with most fertilizers and application apparatus. When injecting, always apply at the discharge side of the pump stations by calculated linear, continuous injection. The impacts of the product to soil remediation, available nutrients, crop vitality and production yields will usually offset the entire cost of the WaterSOLV™ Program. Also available as WaterSOLV™ Curative ORGANIC. Classified as a non-nutrient, Auxiliary Soil and Plant Substance (ASPS) and certified by the California Department of Food and Agriculture. A catalyst to the efficacy of WaterSOLV™ BC.

*Use Rates: Linear to water hardness & bicarbonate, plus existing soil (and or line conditions). Water treatment typically ranges from ½ to as much as 4 gl. per million gallons (ppm or mg/L) of water and could be more. Keep in mind, water hardness is now beneficial, nutrition when properly treated. Use of 2 to 4 times the rates are prescribed to achieve water penetration, then reduced to gradually remediate/harvest the remaining elements in the soil for nutrition. It's imperative to overtreat and over water 2x to 4x the treatment on multiple applications where sodium and or chloride soil levels are excessive, to apply enough treatment for these toxins. Typically, water use is reduced 15% due to water penetration and soils retention of the water.*

Packaging: 55 gl. drum - 265 gl. tote - 5,400 Tanker

## WaterSOLV™ BC

A sustainable solution. For years HCT talks about Minerals, Metals, Microbes and Sodium as a total approach to sustainable water and soil treatment. WaterSOLV™ BC is our solution to microbes and more. WaterSOLV™ BC is an inhibited yet catalyzed peroxide-based solution to treat slime and black layer (iron and sulfate reducing bacteria), a product that also detoxifies the soluble salts sodium and chloride, that also sequesters soluble mineral and metals to always available nutrition, and finally of which the majority of the product biodegrades to valuable dissolved oxygen and water. We refer to the biodegradation as continuous chemical aeration. Used in combination with WaterSOLV™ Curative a higher degree of peroxide is formed and without the fear of yellowing or damaging vegetation, even at extreme use levels. Ideal for remediating soils suffering from black layer and root rot (technically SRB and its exudates of deadly hydrogen sulfide gas). Ideal for restoring infiltration of water and nutrition is all types of soil, including golf course greens, all cases where primarily biofilms of bacteria are suspected to have formed a sheeting of like plastic wrap (technically called polysaccharide). Also, a core product with WaterSOLV™ Curative where needed, for the ongoing treatment or remediating of drip lines, emitters and or topical biomatter issues. Non-corrosive and usually recommended to be applied at the suction side of pump stations – never into the pond, always into the suction side of the pump station. Also available as WaterSOLV™ BC ORGANIC. Classified as a non-nutrient, Auxiliary Soil and Plant Substance (ASPS) and certified by the California Department of Food and Agriculture.

*Use Rates: Linear to source water "Total Bacteria" with additional treatment for remediating soil conditions. Usually injected prior to the pump station. Usually from 1 qt. to 1.75 gl. per million gallons of water. Must be kept out of direct sunlight even when in use. See hazards for storage, handling and drainage. NEVER use without access to ample rinse water and eye protection.*

Packaging: 53 gl drum – 300 gl tote



# WaterSOLV™ CURATIVE ORGANIC

A sustainable solution. Believed to be the first of its kind for the organic industry. An acid-based formula so powerful it outperforms sulfuric acid 9 to 1 - 1 gallon will replace over 9 gallons of sulfuric, it will also break down the accumulated salts in soils rendering them always hydratable available nutrition. The process restores valuable soil pore space, infiltration capacity, soils water storage space, all while harvesting the soils of accumulated nutrients, minerals and metals, while detoxifying the sodium, chloride and boron salts to levels beyond conventional belief. Typically, just 1 to 3 liters of WCO will treat 3-acre ft. or 1 million gallons of water. Formulated and packaged to meet the requirements of the National Organic Program (NOP), reviewed and listed as approved by the Organic Materials Research Institute (OMRI).

*Use Rates: Linear to water hardness & bicarbonate, plus existing conditions (i.e. soil conditions). Water treatment typically ranges from ½ to as much as 4 gl. per million gallons of water and could be more. Keep in mind, water hardness is nutrition if properly treated. Use of 2 to 4 times the rates are prescribed to achieve water penetration, to gradually remediate/harvest the remaining elements in the soil for nutrition, then scaled back to treat water (and added nutrients) alone. It's imperative to overtreat and over water 2x to 4x the treatment and water when sodium and or chloride soil levels are excessive. Typically, water use is reduced 15% due to water penetration and soils retention of the water.*

Packaging: 5 gl. pail - 55 gl. drum - 265 gl. tote

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**Vegetation vitality through soil by water treatment.**

Well-Klean®, WaterSOLV™, Water Treatment for Agronomy™, Water SOLV™ pHix & WaterSOLV™ Grow are trade names of HCT, LLC  
Prescription without diagnosis is malpractice. HIS plan is always perfect and we choose to follow HIS lead.  
We are always open to testing things we have not already invested significant resources to know.