

BORON REMOVAL

STOP THE SILENT PLANT KILLER

THE HIDDEN PROBLEM

Boron is essential — but **ONLY** in trace amounts

- ⚠ Extremely narrow safety range
- ⚠ Slight increase = **TOXICITY**

✗ TOXIC LEVELS START VERY LOW

- Irrigation Water: ~0.5 ppm Boron
- Soil: ~1 ppm Boron

Even low EC / TDS water can be dangerous

✗ INVISIBLE CONTAMINATION

EC ✗ TDS ✗

Boron is **NOT** detected in standard tests

PLANT DAMAGE

- Yellowing of leaf edges
- Leaf burn & necrosis
- Premature leaf drop
- Bark cracking / cork formation
- Misshaped fruits
- Dieback of shoots

⚠ Severe cases → **PLANT DEATH**

ACCUMULATION EFFECT

- Builds up in soil over time
- Concentrates in plant tissue
- Becomes irreversible

Long-term damage to crops & ecosystems



GLOBAL WATER ISSUE

- Present in groundwater
- Present in desalination systems
- Increasing in agriculture worldwide

Conventional technologies **FAIL** ✗

THE WATCH WATER SOLUTION

TRAPPSORB® + CRYSTOLITE®

STEP 1

TRAPPSORB® PRECIPITATION



- Converts dissolved Boron → solid
- No membranes
- No unstable resins
- Controlled chemistry

STEP 2

CRYSTOLITE® FILTRATION



- Removes all precipitated Boron
- High-efficiency filtration
- Stable continuous operation
- Industrial performance

BORON BECOMES A SOLID

**CLEAN WATER
LOW BORON**

THE DIFFERENCE

OTHERS

Try to remove dissolved Boron

FAIL



WATCH WATER

Changes chemistry → Boron becomes solid → Completely removed



ADVANTAGES



NO MEMBRANES



NO EXPENSIVE RESINS



NO COMPLEX REGENERATION



LOW OPERATIONAL COST



RELIABLE PERFORMANCE



SCALABLE WORLDWIDE

APPLICATIONS



AGRICULTURE IRRIGATION



DRINKING WATER



DESALINATION



WASTEWATER TREATMENT



INDUSTRIAL WATER

BORON IS **INVISIBLE** — BUT **DEADLY**

EVEN LOW LEVELS DESTROY CROPS

ONLY CHEMISTRY-BASED REMOVAL WORKS

**STOP WASTING MONEY ON FAILED TECHNOLOGIES
START USING CHEMISTRY THAT WORKS**

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