



# Aquaritin

TURF SOLUTIONS

## DEFEND

4TH GENERATION NANOTECHNOLOGY

## A NEW WAY TO DELIVER SILICON AND ESSENTIAL NUTRIENTS TO PLANTS

### BENEFITS OF AQUARITIN DEFEND:

- Boost photosynthesis and plant health
- Immediate color response without surge growth
- Enhanced turgidity, better green speeds without lowering HOC
- Greater fertilizer, fungicide and PGR response
- Defense against biotic and abiotic stress
- Faster post-aerification recovery
- Lower water use

When applied to golf turf, **Aquaritin Defend** promotes cell wall strength, plant rigidity, root development, water efficiency and color response that does not look manufactured. Under biotic and abiotic stresses, **Aquaritin Defend** presents physical barriers and promotes biogeochemical defense responses, limiting their susceptibility to pathogens and insects.

Aquaritin Defend is an **advanced nanoscale liquid foliar spray** which combines a balanced mix of 13 plant nutrients in a single formulation. It contains primary nutrients (P, K); secondary nutrients (Ca, Mg, S); micronutrients (Fe, Mn, Zn, Cu, B, Mo); silica (Si) and cobalt (Co). The particle size is between 1 and 30 nm and each nutrient is adsorbed onto nano-silica molecules, preventing them from bonding with each other, with water or the atmosphere. Nanoparticles allow for easier fluming in the tank and produce micro droplets during application.

**Aquaritin Defend** mixes easily in the tank with other fertilizers, fungicides, PGRs and pesticides. It is absorbed by the plant through the leaves within a few minutes of application.

### APPLICATION

**MAINTENANCE:** APPLY 6 TO 8OZ PER ACRE EVERY 7 TO 14 DAYS ON GREENS AND ONCE A MONTH ON FAIRWAYS, DILUTING IN 50 GALLONS OF WATER. APPLY AS A FINE SPRAY IN THE EARLY HOURS OF THE MORNING.

**RECOVERY FROM HIGH STRESS:** 20OZ PER ACRE TWO OR THREE TIMES A WEEK UNTIL DESIRED RESULTS ARE ACHIEVED.

# PROTECT YOUR INVESTMENT

## ADD AQUARITIN DEFEND TO YOUR SPRAY PROGRAM



### CUSTOMER FEEDBACK

I just can't say enough about Aquaritin. It's one of those products where you have to try it to believe the power in it. I've tried other silicon products in the past and never saw the quality I get from Aquaritin.

We have been spraying Aquaritin for two seasons when we were averaging 250 rounds per day. You would be hard pressed to find yesterday's pin placement even under our 37 day drought with temps in the 90's.

We took out Ferrous Sulfate and our N is 0.05 lbs/1000 per month. The density of our greens is outstanding.

**Dave Cahalane**

**Bear Dance Golf Course, Larkspur, CO**

I have been using Aquaritin products for quite some time now and love the results that I get from it. Now in Chicago, I don't have all the environmental stressors that come with growing grass in the Northeast but providing the same level of championship playing conditions is always top priority. The speed that I have maintained on these old Seth Raynor greens has wowed the membership, all the while growing in leftover scars from previous seasons. The continued use of Aquaritin allows us to maintain the greens within single digit moisture levels for superior firmness to match that of our fairways.

**Arron McCurdy**

**Shoreacres, Lake Bluff, IL**

The biggest thing for me is we manage our greens on the edge for playability and I have become used to that stressed look. Now the greens look healthy and full of chlorophyll.

I've been in the game for a long time so certain preconceptions die slowly. For now, I am sticking to the label suggestions and loving it.

**John Reilly**

**The Resort at Longboat Key, Longboat Key, FL**

Aquaritin has been a part of my program for 3 seasons and the results speak for themselves.

I am very minimalistic in my approach to growing turf. I only apply 1.5 lb of N using green trx granular 30-0-0 bi-weekly at 0.04 in conjunction with Mn and Ca and Aquaritin at 6 oz per acre.

Aquaritin helps me with green speeds, firmness and deep green color. I mow the greens at 0.125 and roll 5 times a week. I do not use any PGRs. My greens run between 11 and 12.

**Bobby Jewett**

**Ryderbrook Golf Course, Morrisville, VT**

Aquaritin Defend is the only micronized silicon spray that delivers bioavailable silicon to the plant within minutes of application.

**FOR EXCEPTIONAL  
TURF HEALTH.**

**PROTECT YOUR  
INVESTMENT IN  
YOUR TURF BY  
ADDING  
AQUARITIN DEFEND  
TO YOUR SPRAY  
PROGRAM.**

Case Configuration:  
12 x 33.8 oz (1 liter) bottles.  
Each case is 16"x12"x10" and  
weighs 32 lbs.

