



## TWCA Turfgrass Water Conservation Alliance

Why? Because as the demand for water rises, the use of water for "non-essential" applications like landscapes, athletic fields, home lawns and other non-agricultural use is being highly scrutinized. Real water conservation measures are needed now, and are quickly becoming an important public concern, and one of the most important challenges to the turfgrass industry.

FOR MORE INFO VISIT  
[www.tgwca.org](http://www.tgwca.org)

### BREEDER

Nexgen

### DESCRIPTION

Viking H2O is the newest release of TWCA qualified Hard Fescue. It exhibits deep green color, fine textured turf, high shade tolerance and stress tolerance. Viking H2O exhibits all of these characteristics under all maintenance regimes, specifically low water management. It is also recognized for its reduced rate of vertical growth and lawn maintenance attributes requiring less frequent mowing than other species.

### APPLICATION

Viking H2O is best utilized in turfgrass mixtures for improved shade tolerance, elegant fine textured turf and reduced maintenance in mild temperate and transitional climates. Viking H2O is compatible with Kentucky Bluegrass, Perennial Ryegrass, Colonial Bentgrass and other Fine Fescues.

| CTBT:<br>2011 Trial | FINE FESCUE TRIAL<br>ALBANY, OREGON                                       |                                 |
|---------------------|---|---------------------------------|
| Cultivar (HF)       | Average<br>Cover<br>2014  | Average<br>Turf Quality<br>2014 |
| <b>VIKING</b>       | <b>7.25</b>   | <b>6.08</b>                     |
| Spartan II          | 7.03  | 5.42                            |
| Beacon              | 7.17  | 5.67                            |
| Eureka II           | 6.50  | 5.83                            |
|                     | LSD= 0.39   | 0.45                            |
|                     | Average Cover = 1-9, 9= Most Cover<br>Average Turf Quality = 1-9, 9= Best |                                 |

## Qualified Varieties

### Kentucky Bluegrass

- Mystere H2O
- Diva
- Apollo H2O

### Tall Fescue

- Falcon IV
- Falcon H2O
- Shenandoah Elite

### Fine Fescue

- Miser CRF
- Culumbra II CHWF
- Viking H2O HF

### Perennial Ryegrass

- Double Time GLS
- Panther H2O
- Pennant H2O



The Green Guard H2O series identifies turfgrasses with clear water conservation benefits. The seal is your guarantee that the grass seed has been tested by the Turfgrass Water Conservation Alliance (TWCA) and found to provide true water savings. Green Guard H2O series products have met a very stringent set of testing criteria

- assuring they will stay green with up to 40% less water
- saving water, fertilizer, time and money!



## PERFORMANCE

Viking H2O low ET (Evapotranspiration rate) allows the cultivar to maintain green color and healthy look in low or limited water conditions.

Maintaining green color with less water means less fertilizer chemical use and ultimately healthy sustainable turf.

### 2009 Fine Fescue Trial Nexgen Turf Research Albany, Oregon

Confidence intervals (95%) for the amount of moisture lost to evapotranspiration after irrigation is withheld before selections from data set 09AFF1 rech 75, 50, and 25% green cover. Selections are ranked based on their ET<sub>50</sub> values.

| Selection             | ET <sub>75</sub>          | ET <sub>50</sub>          | ET <sub>25</sub>          |
|-----------------------|---------------------------|---------------------------|---------------------------|
| <del>VIKING H2O</del> | <del>4.404 to 6.457</del> | <del>5.535 to 7.935</del> | <del>8.029 to 10.05</del> |
| Dawson E              | 4.861 to 5.953            | 6.178 to 6.945            | 7.190 to 8.241            |
| RaZor                 | 4.195 to 5.628            | 6.057 to 7.048            | 7.512 to 8.877            |
| Predator              | 4.476 to 5.142            | 5.305 to 5.751            | 5.974 to 6.519            |
| Boreal                | 4.287 to 4.967            | 5.248 to 5.725            | 6.038 to 6.654            |
| Scaldis               | 4.091 to 5.088            | 5.086 to 5.792            | 5.835 to 6.741            |
| Aurora                | 4.236 to 4.905            | 5.090 to 5.574            | 5.792 to 6.393            |