



Golf Course Application Rates

AREA	RATE	APPLICATION DIRECTIONS
FAIRWAYS ROUGHES COMMON AREAS	<p>Initial Application 4 oz Quantum-Light per 1,000 sq ft 4 oz Quantum-VSC per 1,000 sq ft</p> <p>Maintenance Application 2 oz Quantum-Light per 1,000 sq ft 2 oz Quantum-VSC per 1,000 sq ft</p>	<p>Product may be applied directly into injections system for irrigation lines and/or tractor sprayer or hose end sprayer. Small problem areas may be drenched with a 5 gal bucket.</p> <p>Apply every 90 days.</p>
TEES GREENS	<p>Initial Application 6 oz Quantum-Light per 1,000 sq ft 6 oz Quantum-VSC per 1,000 sq ft</p> <p>Maintenance Application 2 oz Quantum-Light per 1,000 sq ft 2 oz Quantum-VSC per 1,000 sq ft</p>	Apply maintenance dose every 14 days
BLACK LAYER THATCH	<p>Initial Application 4 oz Quantum-Light per 1,000 sq ft 4 oz Quantum-VSC per 1,000 sq ft</p> <p>Maintenance Application 2 oz Quantum-Light per 1,000 sq ft 2 oz Quantum-VSC per 1,000 sq ft</p>	<p>Apply every 10 days until problem areas improve.</p> <p>Apply maintenance dose every 30 days to maintain control.</p>
TURF BURN CHEMICAL SPILL PETROLEUM SPILL	<p>Initial Application 4 oz Quantum-Light per 1,000 sq ft 8 oz Quantum-VSC per 1,000 sq ft</p> <p>Maintenance Application 4 oz Quantum-Light per 1,000 sq ft</p>	Quantum-Light may be used every day if situation demands

Soil Type	PRODUCT SELECTION	
high organics	Quantum-Light® (Quantum-Organic Light®)	<p>Irrigation Systems: Quantum Growth products may be applied through any type of irrigation system such as speed sprayer, boom sprayer, pivot irrigation, aerial spray, micro jet, etc.</p> <p>Chemical Application Timing: Allow 7-10 days after a pesticide (herbicide, fungicide, insecticide, nematocide, etc.) application before applying the Quantum Growth products.</p> <p>pH Tolerance: 7 to 8 is the optimal range for tank mix pH. The organisms will survive a pH from 5 to 9. Any substances outside of that range should be added just before application.</p> <p>Tank Mix Compatibility: It is preferable to apply the Quantum Growth products as a sole input in an application or in combination with low analysis fertilizers and/or other nutrient inputs. Tank mixes that include chemical components designed to kill biology, such as herbicides, fungicides, insecticides and nematicides, may result in loss of the vegetative strains of Quantum Growth bacteria that are responsible for carbon fixation, nitrogen fixation, denitrification and other important functions in the soil.</p> <p>Tank Mix Instructions: When tank mixing, add the Quantum Growth products last and apply within 0 to 12 hours. Ensure that the mix is sufficiently dilute before adding the Quantum Growth products. For example: 30 gallon mix tank; add 14-7-7 liquid fertilizer, micronutrient package and approximately 15 gallons of water; add Quantum-Light and remaining water.</p>
average to low organics	Quantum-Light and Quantum-VSC® (Quantum-Organic Light and Quantum-Organic VSC®)	
compact d, flood damaged	Quantum-Light and Quantum-VSC® (Quantum-Organic Light and Quantum-Organic VSC®) at twice published rates	
<p>Due to the specialization of the Quantum-Total™, Quantum-HSC®, Quantum-1® and Quantum-Revive® formulations, we request that you consult your Quantum Growth representative for use and application information.</p>		
<p>APPLICATION & TANK MIX GUIDELINES</p>		
<p>Watering Requirements: Quantum Growth products are designed to be mixed with whatever quantity of water is required to cover the desired acreage at the prescribed application rate. Use only non-chlorinated water.</p>		