

Seasonal Fertigation Program – Cool Season Turf

Fertigation is an excellent tool for maintaining golf courses, sports fields, and other turf areas. Nutrients are supplied through the irrigation system during most or all normal irrigation events. Fertigation allows for superior control of product applications and turf quality. In addition, it saves money in labor and fertilizer costs. The following table outlines a suggested seasonal maintenance program.

Nutrient Monitoring Program

The following program should be used as a guide. Monitoring nutrient levels in leaf tissue and soils is critical for designing the most efficient nutrient program. TerraBiotics recommends the use of a diagnostic service that provides soil, water, and NIRS (Near Infrared Reflectance Spectroscopy) tissue analysis. With diagnostic results, the fertigation program may be modified to correct imbalances and prevent future problems.

Application Recommendations

SEASON	PRODUCTS	PURPOSE	MONTHLY VOLUME PER ACRE	NUTRIENTS PER 1,000 Sq. Ft.
Spring Late March April May	Enviro Pro 12-3-6	A premium complete fertilizer with a 4-1-2 ratio used to help bring the turf out of dormancy. The P source is a unique combination of phosphorous with organic acids to improve P availability in cold soils and high bicarbonate water conditions.	11 Gallons	0.30 Lb. N 0.07 Lb. P 0.15 Lb. K
Summer June July August	Turf Special 20-0-5 0.1% Mn 0.2% Mg 0.2% Fe	A premium high nitrogen product with potassium to give controlled growth through micro dosing. The manganese and chelated iron promote deep rich color.	10.5 Gallons	0.50 Lb. N
Fall September October early November	Turf Special 6-0-18 0.1% Mn 0.2% Fe	A premium fertilizer with a high K to N ratio, which contains Mn, and chelated Fe. It is ideal for preparing turf for dormancy while maintaining color without excessive growth.	25 Gallons	0.36 Lb. N 1.07 Lb. K
Optional Addition	CytoGro	An EPA registered hormone biostimulant containing precise levels of cytokinins and auxins.	9 oz.	
Optional Addition	H3O	A soil water management product, which captures moisture from the atmosphere and extends the time to drought stress.	44 oz. After initial application*	
	TOTALS			3.06 Lb. N 0.18 Lb. P 2.78 Lb. K

* Consult **H3O** product sheet for initial application procedure. Initial application, which is watered in, is critical to performance of the product.

FlexLine Products

Enviro Blend	6-10-10+Zn	With phosphorous complexed with organic acids
Enviro Blend	16-4-4+Zn	With phosphorous complexed with organic acids
Enviro K	0-0-30	Potassium carbonate with organic acids
Enviro P	7-21-0+Zn	The phosphorous is complexed with organic acids
Greens Plus	14-4-10+Zn	With 8.85% water-soluble organic nitrogen (slow release)
Greens Plus	12-0-12	With 8.4% water-soluble organic nitrogen (slow release)
GreenUp Potassium	0-9-25	High potassium without nitrogen
Multi-Purpose	6-0-0	Soil conditioner with organic acids and Biostimulants
Turf Complex III	24-0-0	With 0.3% chelated Fe and 0.02% chelated Mn
Turf Complex O	24-0-0	With organics
TurfPlex	8-4-24	Popular complete fertilizer with a high potassium to nitrogen ratio
Turf Special	6-0-18	With Fe and Mn
Turf Starter	8-16-5	Contains organic acids and biostimulants

The *FlexLine* containers are ideal for use with the fertigation injectors. Often turf managers who fertigate are forced to purchase 1,000 to 2,000 gallons of bulk fertilizer at a time. This is often more than is needed for a season. *FlexLine* allows for the use of competitively priced bulk fertilizers with the flexibility to change analysis as needed throughout the season. Also, they are a cost saver since there is no need to build a pump house to accommodate large tanks, there is no need to purchase large tanks, and containment is usually not required when mini-bulks are used in fertigation.



FlexLine Mini-Bulk Tote