



2009 12-Month Athletic Field Protocol Mechanical Applications

January & December:

Blue XL W/Bio-Cat Booster
Huma-MnFe

4.5 Oz/1000 – 1.5 Gal/Acre
2.25 Oz/1000 – 96 Oz/Acre

February, October & November:

Growth XL W/Bio Cat Booster
Huma-MnFe

4.5 Oz/1000 – 1.5 Gal/Acre
2.25 Oz/1000 – 96 Oz/Acre

March, April, May, & September:

Nitro - Grow XL W/Bio-Cat Booster
Huma-MnFe

6.0 Oz/1000 – 2.0 Gal/Acre
2.25 Oz/1000 – 96 Oz/Acre

June, July, & August:

Nitro XL W/Bio-Cat Booster
Huma-MnFe

4.5 Oz/1000 – 1.5 Gal/Acre
2.25 Oz/1000 – 96 Oz/Acre

Tips:

- For high traffic areas like the center of football and soccer fields, outfielder positions and infield grass, a double application of each treatment is recommended. For highly used fields all year, summer applications should be three weeks apart and may require one additional application per season.
- Immediate water after application is not required or needed. Allow 3 Tier products to dry on the plant for 4 to 6 hours before irrigation. Apply granular fertilizers (If Needed) separate from 3 Tier products so applications can be watered in after application.
- NBN products are guaranteed not to burn after application.
- For best results, inject 3 Tier nutrient products through your irrigation system. For injection programs and equipment contact 3 Tier or your authorized 3 Tier Distributor.
- Use **Blue XL** whenever seed/sod/renovation is done for rapid establishment and repair

The above mentioned program is simply a guideline. 3 Tier prefers to review your current programs to ensure that the same quality and value is achieved by every client. Contact your local 3 Tier Distributor or 3 Tier's agronomist, Daniel Burdette, at dburdette@3tiertech.com or by phone at 877-710-6953.



2009 12-Month Athletic Field Protocol Injection Applications

January & December:

Blue XL W/Bio-Cat Booster 7.5 Oz/1000 – 2.5 Gal/Acre

February, October & November:

Growth XL W/Bio Cat Booster 7.5 Oz/1000 – 2.5 Gal/Acre

March, April May, & September:

Nitro - Grow XL W/Bio-Cat Booster 9.0 Oz/1000 – 3.0 Gal/Acre

June, July, & August:

Nitro XL W/Bio-Cat Booster 7.5 Oz/1000 – 2.5 Gal/Acre

Tips:

- All products are applied at very low dosing every time you irrigate. This process provides the plant with regular nutrient uptake and improves water quality and performance which will result in lower watering requirements
- For high traffic areas like the center of football and soccer fields, outfielder positions and infield grass, use shorter, more frequent irrigation cycles
- For best results, products are to be spoon feed throughout the month with every irrigation cycle.
- After 60 days, reduction of irrigation times may be required.
- During any spray applications, the addition of Huma-MnFe is recommended @3 oz. per 1000 sq. ft.
- NBN products are guaranteed not to burn after application.
- Use **Blue XL** whenever seed/sod/renovation is done for rapid establishment and repair

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3 Tier Technologies recommends Turf Feeding Systems injectors.

2009 Mechanical Application Athletic Field Protocol Worksheet (12 Month Season)

Athletic Field Protocol - Mechanical Applications

2.5's/Gallons Needed	2	Gal	5	Gal	7	Gal	10	Gal	15	Gal
Blue XL w/Bio-Cat Booster	3.00	7.5G	6.00	15G	9.00	22.5G	12.00	30G	18.00	45G
Growth XL w/Bio-Cat Booster	4.00	10G	9.00	22.5G	13.00	32.5G	18.00	45G	27.00	67.5G
Nitro-Grow XL w/Bio-Cat Booster	7.00	17.5G	16.00	40G	23.00	57.5G	32.00	80G	48.00	120G
Nitro XL w/Bio-Cat Booster	4.00	10G	9.00	22.5G	13.00	32.5G	18.00	45G	27.00	67.5G
Huma-MnFe	8.00	20G	18.00	45G	26.00	65G	36.00	90G	54.00	135G

Product Costs By Acreage	2	5	7	10	15
Blue XL @ \$98.00 PER 2.5	\$294	\$588	\$882	\$1,176	\$1,764
Growth XL @ \$92.00 PER 2.5	\$368	\$828	\$1,196	\$1,656	\$2,484
Nitro-Grow XL @ \$96.00 Per 2.5	\$672	\$1,536	\$2,208	\$3,072	\$4,608
Nitro XI @ \$80.00 Per 2.5	\$320	\$720	\$1,040	\$1,440	\$2,160
Huma-MnFe @ \$55.00 Per 2.5	\$440	\$990	\$1,430	\$1,980	\$2,970
Annual Program Cost	\$2,094	\$4,662	\$6,756	\$9,324	\$13,986
Annual Cost Per Acre	\$1,047	\$932	\$965	\$932	\$932

All costs based on 2.5 gallon containers. Higher acre facilities can realize savings through larger container

purchases. Above pricing is worst case scenario. Injection programs priced separately.

3 Tier Technologies **Injection** Calculator - Athletic Field

Southern

Length of Season: Months

Total Acres Irrigated: Acres

Pre-Mix blend to be spoon feed through injection every irrigation cycle.

Blue XL w/BCB	Ounces per 1000:	7.5	Ounces per Acre:	320	2 Applications
Nitro Grow XL w/BCB	Ounces per 1000:	9	Ounces per Acre:	384	4 Applications
Growth XL w/BCB	Ounces per 1000:	7.5	Ounces per Acre:	320	3 Applications
Nitro XL w/BCB	Ounces per 1000:	7.5	Ounces per Acre:	320	3 Applications

Annual Product Required For Monthly Applications (Full Season):

Blue XL w/BCB	640	Ounces	5.00	Gallons	Cost =	\$196
Nitro Grow XL w/BCB	1536	Ounces	12.00	Gallons	Cost =	\$461
Growth XL w/BCB	960	Ounces	7.50	Gallons	Cost =	\$276
Nitro XL w/BCB	960	Ounces	7.50	Gallons	Cost =	\$240

Annual Product Cost for	1	Acres	equals	\$1,173	**
Annual Product Cost for	2	Acres	equals	\$2,346	**
Annual Product Cost for	3	Acres	equals	\$3,518	**
Annual Product Cost for	4	Acres	equals	\$4,691	**
Annual Product Cost for	5	Acres	equals	\$5,864	**
Annual Product Cost for	6	Acres	equals	\$7,037	**
Annual Product Cost for	7	Acres	equals	\$8,210	**
Annual Product Cost for	8	Acres	equals	\$9,382	**
Annual Product Cost for	9	Acres	equals	\$10,555	**
Annual Product Cost for	10	Acres	equals	\$11,728	**

**Prices quoted are based off of 2.5 gallon container costs. Annual Commitment Guarantees Prices

**Prices may vary slightly due to actual container size and quantity needed

For Specific Rates and Applications, Contact Daniel J Burdette
3 Tier Technologies LLC

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