

OP 9: LANDSCAPE MANAGEMENT

ACREAGE TREATED

ATHLETICS: 10 ACRES

CAMPUS: 32 ACRES

PASTURE: 3 ACRES

All managed using an IPM Program. Organic fertilizers are being utilized now but to be completely Organic we must continue with our cultural practices that improve soil structure. In the meantime we only use fungicides when needed (none on campus) and spot spray weeds.

The follow are all part of our IPM Management Practices:

1. Assessing site conditions and characteristics.
2. Surveying Pests at the site.
3. Identifying location and populations of weeds, insects, and diseases at any particular site.
3. Determining Pest Response threshold levels.
- Turfgrass threshold levels are based on aesthetics and the use of the turf.
4. Developing a monitoring and record keeping program.
- Visual inspection and Weather monitoring are two ways of anticipating pest development and damage.

FERTILITY

NPK

Harrells 30-0-10 polyon fertilizer

Once per growing season at 1 pound of N/ Application

2019 5,000lbs/ 32 acres = 3.587# fertilizer, 3.587 # fert x .30 N = 1 LBS N / 1,000FT² NPK
 Nature Safe Organic Fertilizer 10-2-8

2018 7,000LBS/ 32 ACRES = 218# fertilizer, 218# fert x .10 N = .50 LBS/1,000 FT²

2019 7,000 LBS/ 32 ACRES = 218# fertilizer, 218# fert x .10 N = .50 LBS/1,000 FT²

Twice per growing season at .50 pounds N/ Application

$$\frac{5200 \text{ lb}}{32 \text{ acre}} \times \frac{3.1 \text{ N}}{1 \text{ lb fert}} \times \frac{43,560 \text{ ft}^2}{1 \text{ acre}} = \frac{1393420}{1500} = \frac{1 \text{ ft}^2}{.00107 \text{ N}}$$

X 1000