

Metric C3 Cool Season Turfgrass Nutrient Management Plan  
Horry-Georgetown Technical College Member No. South Carolina (HGTC)  
lat,lon = 33.78,-79.014  
GP refers to Growth Potential based upon five-year average temperature  
Rate of fertilizer application is g/m^2

| Month | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| GP    | 0.15  | 0.28  | 0.65  | 0.92  | 0.97  | 0.68  | 0.45  | 0.52  | 0.82  | 0.97  | 0.56  | 0.19  |
| N     | 0.5   | 1.0   | 2.3   | 3.2   | 3.4   | 2.4   | 1.6   | 1.8   | 2.9   | 3.4   | 2.0   | 0.7   |
| K     | 0.3   | 0.5   | 1.1   | 1.6   | 1.7   | 1.2   | 0.8   | 0.9   | 1.4   | 1.7   | 1.0   | 0.3   |
| P     | 0.1   | 0.1   | 0.3   | 0.4   | 0.4   | 0.3   | 0.2   | 0.2   | 0.4   | 0.4   | 0.2   | 0.1   |
| Ca    | 0.1   | 0.1   | 0.2   | 0.3   | 0.3   | 0.2   | 0.2   | 0.2   | 0.3   | 0.3   | 0.2   | 0.1   |
| Mg    | 0.03  | 0.06  | 0.14  | 0.20  | 0.21  | 0.15  | 0.10  | 0.11  | 0.18  | 0.21  | 0.12  | 0.04  |
| S     | 0.04  | 0.07  | 0.17  | 0.24  | 0.25  | 0.18  | 0.12  | 0.14  | 0.22  | 0.25  | 0.15  | 0.05  |
| Fe    | 0.003 | 0.005 | 0.011 | 0.016 | 0.017 | 0.012 | 0.008 | 0.009 | 0.014 | 0.017 | 0.010 | 0.003 |
| Mn    | 0.001 | 0.002 | 0.004 | 0.006 | 0.006 | 0.004 | 0.003 | 0.003 | 0.005 | 0.006 | 0.004 | 0.001 |

|    | Annual g/m^2 | Soil ppm | MLSN ppm |
|----|--------------|----------|----------|
| N  | 25.1         | NA       | NA       |
| K  | 12.5         | 84       | 37       |
| P  | 3.1          | 21       | 21       |
| Ca | 2.5          | 17       | 331      |
| Mg | 1.6          | 10       | 47       |
| S  | 1.9          | 13       | 7        |
| Fe | 0.1          | 0.8      | 90       |
| Mn | 0            | 0.3      | 30       |