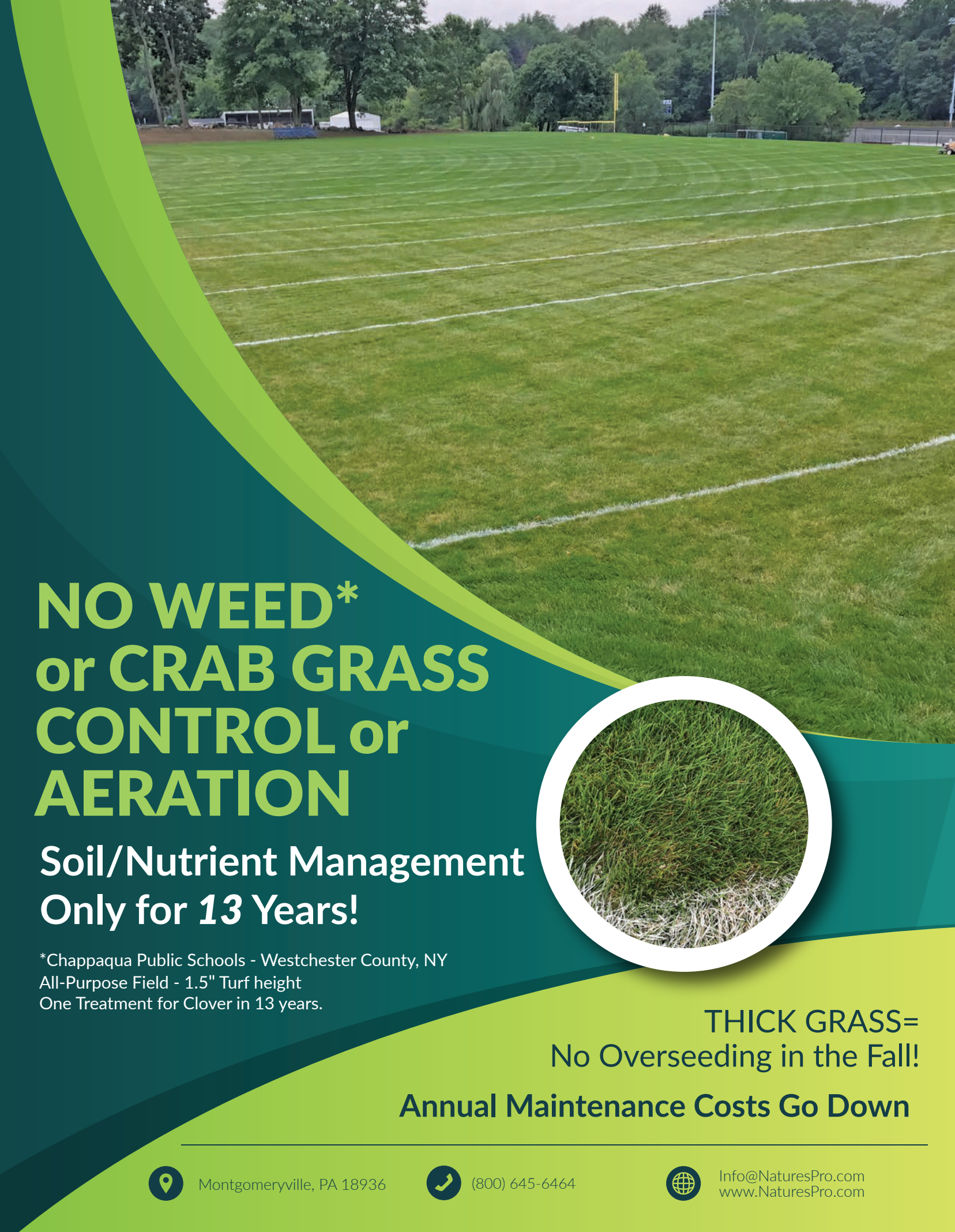




NO WEED* or CRAB GRASS CONTROL or AERATION

Soil/Nutrient Management Only for **13 Years!**

*Chappaqua Public Schools - Westchester County, NY
All-Purpose Field - 1.5" Turf height
One Treatment for Clover in 13 years.



THICK GRASS=
No Overseeding in the Fall!

Annual Maintenance Costs Go Down



Montgomeryville, PA 18936



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Chappaqua School District Athletic Fields Case Study

Initial process began in 2011

GOALS:

- Derive better results from the investment made in turf care.
- Comply with recent laws passed regarding pesticide applications to public turf areas.
- Make applications using in-house staff.

PROCESS:

- Tested each field using Prescription Soil Analysis' 19-point, advanced, nutrient-availability soil testing service.
- Developed an "annual maintenance" program based on soil test reports and recommendations.
- Developed a longer-term "soil health care" program to correct the soil's deficiencies and imbalances as detailed by the soil tests.
- Recommended specific attachments required to allow for in-house applications using current equipment and staff.
- Conducted a detailed "audit" of the irrigation systems to insure proper functioning.

INITIATE PLAN:

- Purchased attachments to use with current equipment to make applications.
- Provided training for staff to insure proper application of materials and operation of irrigation systems.
- Began purchasing products starting with soil amendments (August 2012).

RESULTS:

- Customer saw visible improvements to turf within the first six weeks prior to any actual "fertilizers" being applied.
- Have seen consistent and steady improvement in quality of turf including color and turf density.
- Soil has improved allowing for better porosity and turf recovery even in "high-wear" areas.
- Customer has not performed any mechanical aeration since 2010, thereby saving labor and equipment costs.
- The need to re-seed, even in high-wear areas, has been reduced by more than 75% saving the cost of seed, labor and equipment.
- There have been no insect or disease issues since the program started resulting in additional cost savings.
- No crabgrass controls have been applied which saved more money while meeting the new pesticide laws.
- Applied one herbicide application (2014) at the request of parents to eliminate clover and reduce the possibilities of bee stings.
- There are virtually no weeds or crabgrass in the playing fields even without control product applications.
- Amount of "annual maintenance" materials required has reduced resulting in additional cost savings of products, labor and equipment.
- Increased soil biological activity has reduced the need for soil amendments based on repeated soil testing every three years.
- Staff has received numerous compliments from coaches, parents and the public on the appearance and quality of turf.
- School administrators are very pleased with the program results, especially the diminishing costs.