

pHacid Sprayable Trial Report Summary

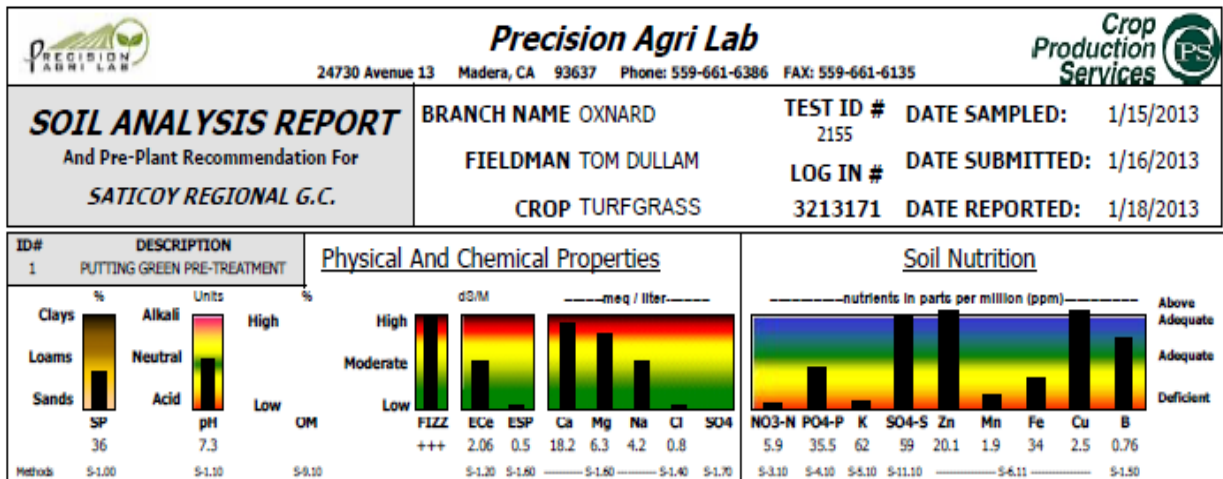
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Saticoy Regional Golf Course is located at the east end of the city of Ventura in California. The course was the original site of Saticoy Country Club opened in 1921. Now, a nine hole 2,655 yard public course managed by American Golf Corporation, it operates year-round for local players.

The majority of the greens are 50 year old push-ups irrigated with well water high in bicarbonates. Most of the greens suffer from salt build up due to the heavy, poor draining soils.

With the permission of the superintendent, Patrick Belavic, I applied pHacid Sprayable on January 15, 2013 to the 3,471 sq. ft. putting green using the Aggressor injector. Before application soil samples were taken. See report below.



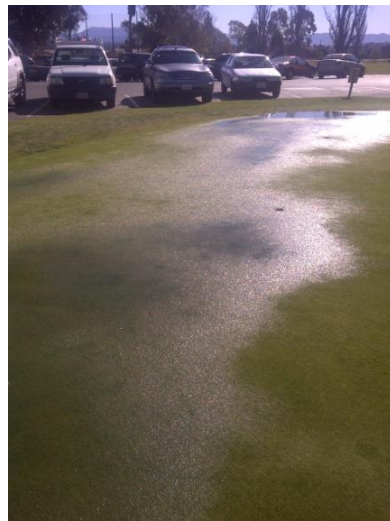
The putting green is routinely flushed with potable water, yet the ECe, boron, calcium, copper, magnesium, sodium and zinc levels are all moderate to excessive. This green also exhibits pooling at its lower end where a black layer exists.

pHacid Sprayable was applied by hand with the Aggressor injector set at 2% injection ratio. Over about 30 minutes, 2.5 gallons of pHacid Sprayable was injected over the 3,471 sq. area of the green. This is about 92 ounces per 1,000 sq. The air temperature that day was 55°F. Night time temperatures were very cold (32-35°F) for several days before the application. The green was leached for 80 mins the day after the trial from the potable water source.



Application of pHacid Sprayable using an adjustable hose end nozzle and potable water.

These pictures were taken after the application was complete. The pooling is evident as seen in these pictures taken 20 minutes after the start of the application. This area is at the low end of the putting green and where the application was started.



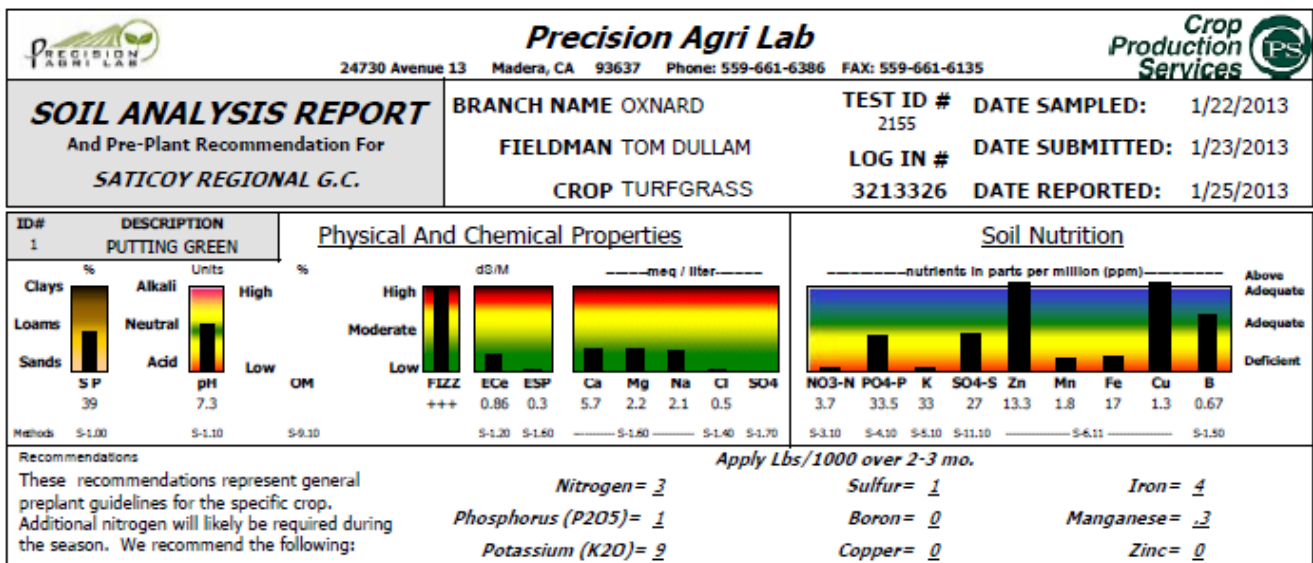
Even though the weather was cool (about 55° F) the pHacid Sprayable started to work immediately.



Notice the bubbles rising from the turf in the standing water.

The pHacid Sprayable began breaking apart the bicarbonate bonds and releasing CO₂. After about 40 mins the standing water had soaked in and a slight odor like rotten eggs was noticed. That odor persisted throughout the day.

One week after application soil samples were taken again.



The one pHacid Sprayable application had significantly reduced the ECe and cation load in the soil. The

ECe lowered from 2.06 to 0.86 (58% reduction), calcium went from 18.2 down to 5.7 (69% reduction), magnesium went from 6.3 to 2.2 (65% reduction) and sodium went from 4.2 down to 2.1 (50% reduction).



Day after application.



One week after application.



The Aggressor

All photos taken with the camera on a Blackberry Torch 9800.