Humi-Cal Plus

NEW Advance Humi-Cal Plus has been formulated to steadily raise the pH of acidic, sandy rootzones whilst simultaneously increasing the humic content of the soil. Enriched with humates, seaweed and zeolite to increase soil microbial activity, improve CEC and provide a long-term food source for beneficial soil biology.

Many sand-based rootzones in sports pitches have suffered from the acidifying nature of free-draining sands plus the high use of acidifying fertilisers. This can often lead to sports surfaces with a pH below 5.5 which is where nutrient availability and microbial activity starts to fall significantly.

A perfect material to be worked into sports pitches at end of season renovations but can also be used on fine turf such as golf and bowling greens where low pH and low soil humates need to be addressed.

- 70% calcium carbonate to increase calcium levels in sols and increase pH to a more efficient level.
- Once soil pH drops below 5.5 nitrogen and other nutrient availability is reduced and more money is required to supply the plant with sufficient nitrogen.
- 5% seaweed + 5% humates boost soil microbial populations and provide a long-term food source for beneficial microbes.
- By adjusting pH to required levels, fertiliser efficiency is increased, as nitrogen is more available, and activity of soil bacteria is increased.
- Increasing the humic content of a sandy soil through the addition of seaweed and humates will improve the soils ability to hold on to and exchange both nutrient ions and water, allowing healthier plants with increased drought resistance.

Product	Pack Size	Rate
Humi-Cal Plus	25kg	25 - 85g/m^2 (Dependant on soil pH and type)

Usage Period												
Product	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Humi-Cal Plus	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Humi-Cal Plus

- Easy to apply granular formulation of a four-in-one product to give a boost to soil health and save money by reducing fertiliser requirements.
- A reduction in nutrient leaching is better for your turf and better for the environment.
- A 50g/m^2 application will apply 25kg of seaweed plus 25kg of humates per hectare.
- Low organic content soils enriched with seaweed and humic acid show increased root growth.
- Granular seaweed is an excellent soil conditioner, reduces stress, and increases the availability of carbon to feed the soil food web.
- Humates are known to have benefits in the seedling stage to aid establishment of a new surface. They have a huge surface area to massively increase CEC. Humates feed and provide a habitat for soil microbiology.
- The natural organic properties of humates and seaweed mean the product will need to be brushed into existing swards and can leave a darker appearance. This is not any phytotoxicity and can be removed via irrigation.
- This product raises the pH of soil. Do not use when you have a neutral or alkaline soil. If in doubt, ask your AGS Regional Technical Sales Manager for a soil test and analysis.

Issue	Suggested Solutions
Football/Rugby sand-based pitches seeing a gradual drop in fertiliser response and poor rooting. Soil tests show a pH reducing over time and getting down towards 4 – 5.	During end of season renovations, apply 25 – 85g/m^2 of Humi-Cal Plus and work into the top 5 – 10cm. Apply pre-seeder fertilisers and seed as usual. Monitor soil pH over the next year and make additional applications as required.
Golf greens built on USGA-type constructions suffering from low soil pH, prone to drought and quick to lose colour.	Apply Humi-Cal Plus at 50g/m^2 following an aeration operation such as hollow coring, vertidraining, spiking, etc. Work the product down the aeration holes as much as possible.
Turf not responding well to fertiliser, poor rooting, susceptible to drought and colour loss.	Carry out a soil analysis to rule out any nutrient deficiencies. If soil pH is very low and also low in CEC consider an application of Humi-Cal Plus at 50g/m^2 worked down into the soil and monitor turf performance and re-take soil tests 6-12 months later. Consult your AGS Regional Technical Sales Manager for a comprehensive programme to maintain optimal turf quality within your budget and site restraints.