

A water retention capacity that is far above the average !

Comparative trials of bovine manure composting

Product used : Plocher K

Trials followed by :

Mr Waldner and Miklau, directors of the professional agricultural school of Golbrunnhof, in Styria (Austria) Mr Dachler, Agrochemical federal office of Vienna (Austria)



Roland Plocher and Toni Miklau, from the professional agricultural school, are treating the compost heap (straw rich bovine manure)

Comparative trials :

To verify the effect of the Plocher K on the bovine manure composting, Mr. Waldner, director of the professional agricultural school of Goldbrunnhof, proceed in treating a straw rich heap of bovine manure with plocher K.

Four weeks later, one could observe a clear réduction of the heap treated with the Plocher K compared to the non treated heap, showing a drier aspect

Samples of both windrows (treated and non-treated) were sent for analysis to Mr. Dachler from the Vienna agrochemical federal office.

Partial analysis results

	Plocher K Treated windrow	Control windrow
Humidity	57.1 %	69.28 %
Water retention capacity	98.8 %	45.1 %
Dry substance	42.9 %	30.72 %

Results show that the windrow treated with the Plocher K is less humid than the control windrow. Furthermore, water retention capacity of the plocher K treated compost is very high : 98.8 % compare to only 45.1 % for the non-treated compost.

Mr Dachler's commentary

“A 50 % water retention capacity is considered quite correct. This rate can reach 70 % when the composting is excellent. The 98.8 % value obtained on the Plocher K treated compost sample is extraordinary! Indeed, the more the compost, or the composted soil, can retain water, the more the plants are assured a constant supply. This, above all, is important for culture substrates where a uniform water supply has a very beneficial effect. This property is very interesting to help all plants during drought periods.”