

Task Position

Cattle breeding, milk production and beef production is seen as a high factor of greenhouse gas emission.

Why? Grassland can collect a high amount of energy and convert into highest yield. At present the soil in grassland is highest compacted. Organic fertilizer (slurry and manure) is spreaded on surface and remains inefficient, as for the plant production required elements disappear into the atmosphere.

The remaining organic material prove as high toxic for the animals, as it is collected with next grass harvest and mixed into silage.

Clostrides, Rotaviras: A high concentration of those aggressive bacteria in the soil reduces sharply the yield potential of grassland.

That virus, in high contanination of milk products, create chronik illness, irreparable destroying nerv systems of consumers.

Listeria and multiresistant virus quickly grow up in sick animal stables.

Sick animals spread awful smell to the surrounding.

SOLUTION:

Tehnik-Plus Slurry Disc - Injector finalise 9 jobs at once.

1. Levelling mole hills and depth control for the following double disc elements.
2. Cutting gaps into grassland 1-3 cm wide, 3-8 cm deep. Any customer requirement possible on request.
3. Placement of slurry into one side of cut gap.

This liquid material is moving into 8 cm of soil. Even on hard and dry soil condition, ammoniac and other elements immediately get into connection with soil. Climate and greenhouse gas is used for highest yield guaranty.

The second gap is used for quick drain of rainwater. In practise was seen, that at the bottom of those gaps, a high population of rainworms were found and created a high number of deep hoses. Now rainwater can flow into deeper soil sections for long term benefit.

4. HC+CO₂ exhaust gas is blown direct into the slurry distribution and mixed into slurry.

This hydrocarbon is an enourmous drive for Hydrocarbonoclastic microorganism which quickly eliminate toxine and bacterias at a natural way.

5. The automatically quantity control of Kalkmeister+Zeolithe (50-100kg/ha) is blown together with HC+CO₂ into slurry distributor. The slurry becomes easy flown and oili. Ammoniak (NH₃), as aggressive smell, is collected in the Zeolithe. The neighborhood experiences slurry distribution at a convenient way.



6. Milk and beef products are advertised as healthy and rich of calcium. Kalkmeister has a high portion of calcium, so farmers using this method can guaranty the advertised quality standard. The special blend of Kalkmeister/Zeolithe (Ø90/35my) with

finest milled Graphite/Shungit, Talkit/Ölschiefer-Heilperoid/Magnetit is the garant for highest grass quality, highest yield, top healthy animals and until now unknown food quality.

7. Grass seeding with HC+CO₂

When seeding new grassland or just occasionally seeding it can be arranged in one path. The use of HC+CO₂ activates the germination of the seed. During the warm period (Mai-early September) there will be before eliminated bacterias quickly at a natural way. The placing of slurry in the narrow gaps will highly protect clover and sensitive herbs or even promote them.

8. The following tine harrow can be adjusted precise at the special requirement. A gap closing with fine soil will rise again the effectiveness of the elements spreaded on the field.

9. This method will honor the Farm business, save cost level to half and rise at same the profitability. Farmers can create their job to the happiest on this globe.

With best regards



Josef Großauer

TECHNIK-PLUS

Sämaschinen e.U.

Industrieparkstr. 6-8

A-8480 Mureck

Tel.: 0043 (0) 3472 21120

Fax: 0043 (0) 3472 21123

www.technik-plus.eu

technik-plus@technik-plus.eu