

DIGEST-IT[®]

A microbial slurry inoculant

Benefits of DIGEST-IT[®]

Grows better quality crops

Increase NUE

Reduces agitation time and smell

Reduces ammonia emissions from slurry

New for
2022



Origin
FERTILISERS

DIGEST-IT®

Microbial slurry inoculant

DIGEST-IT® is a microbial inoculant added to slurry that increases nutrient recovery from slurry, reduces ammonia emissions from slurry and grows better quality crops, by improving soil health



Slurry store pre-treatment with DIGEST-IT®



Slurry store three months post-treatment with DIGEST-IT®

What is DIGEST-IT®?

DIGEST-IT® provides a rich food source for microbes as well as dormant aerobic bacteria species that are able to feed on and break down the organic matter in the slurry and use the ammonia gas as a source of nitrogen to grow, thus turning it into microbial nitrogen.

Benefits of DIGEST-IT® in the tank:

- Reduces time required to agitate and pump slurry
- Less smell from fresh slurry when agitating or spreading
- Converts solids into plant-available liquid nutrients
- Reduces surface crusting

Benefits of DIGEST-IT® in the field:

- DIGEST-IT® treated slurry grows better quality crops
- DIGEST-IT® treated slurry reduces odour when spreading
- DIGEST-IT® treated slurry improves soil health by supplying "good" microbes to the soil
- DIGEST-IT® treated slurry is kinder to the soil organisms living in your soil, including worms
- DIGEST-IT® treated slurry has a lower Biochemical Oxygen Demand (BOD) than untreated slurry

Application rate of DIGEST-IT®

- 1 litre treats 5,000 gallons (22,500 litres) of slurry
- 20 litres treats 100,000 gallons (450,000 litres) of slurry

DIGEST-IT® is best applied into fresh slurry. Contact your Origin Fertilisers representative for further information.

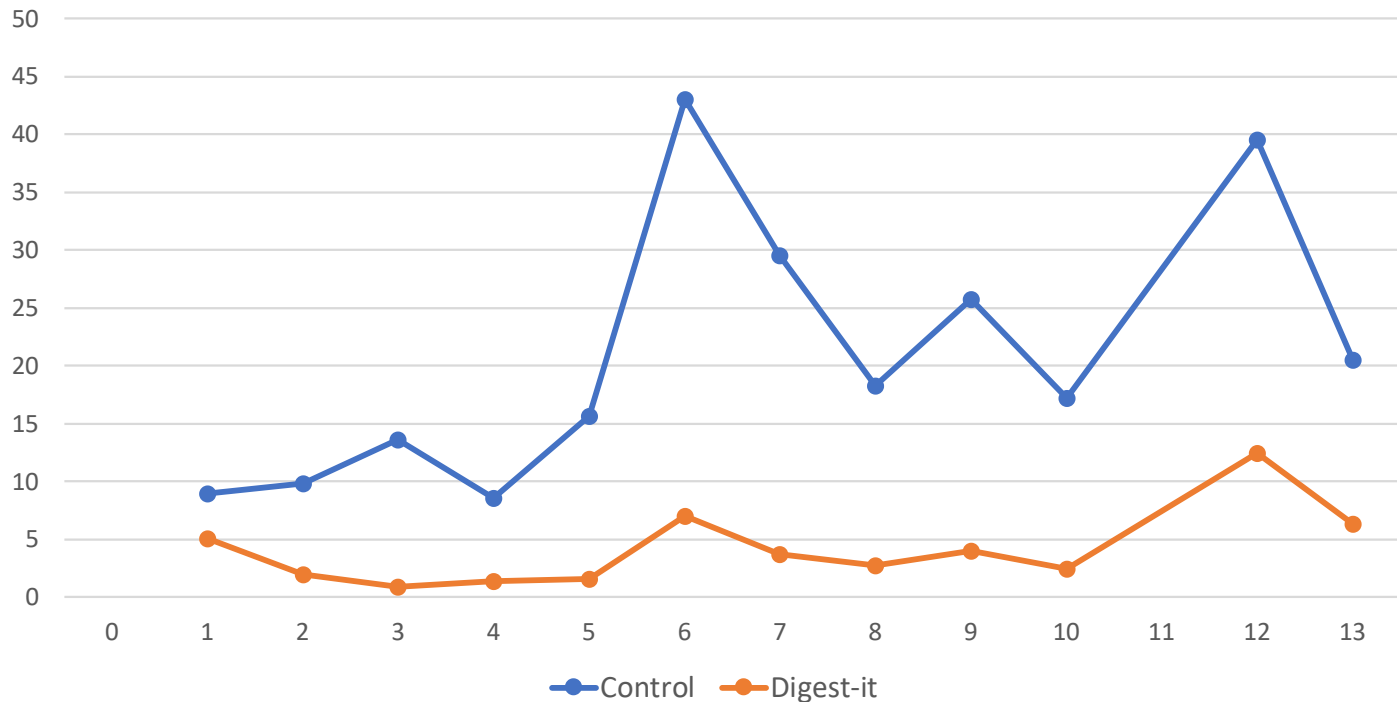


Clive Reid, Dairy Farmer

"Slurry is easier mixed when it is treated with DIGEST-IT®. We definitely see a reduced smell, the worms are surviving in the ground, we are growing more grass and the cows are able to graze in a rotation system."

DIGEST-IT® treated cattle slurry reduces ammonia emissions by 80%

Digest-it® trials 2021 - NH₃ (ppm)



In recent trials over a 13 week period, the mean ammonia concentration level for untreated slurry was 20.9ppm compared to 4.2ppm for the DIGEST-IT® treated slurry - an 80% reduction.

An independent Kingshay trial in 2010/2011 assessing 5 slurry additives showed that DIGEST-IT® gave the greatest increase for total nitrogen after 2 months.

Fertiliser nutrient status

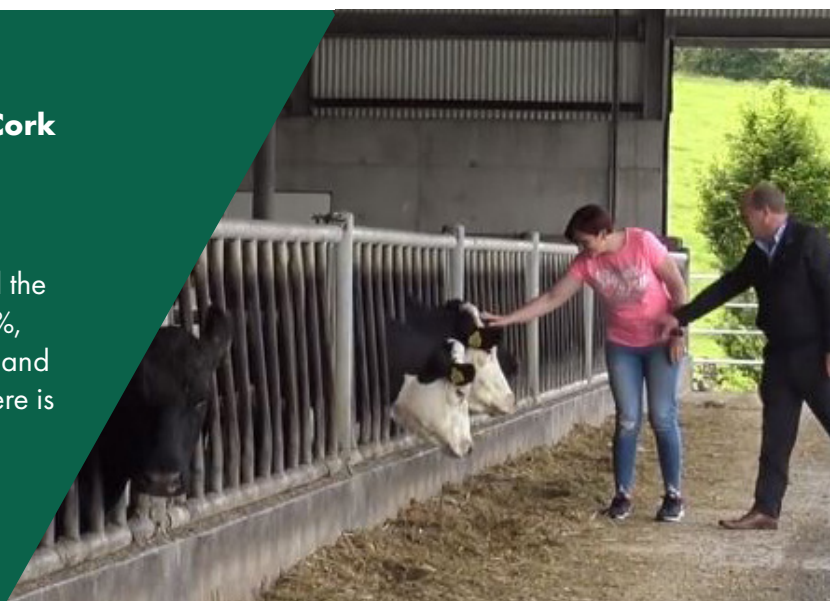
Mean results from 15 UK Dairy farms showed significant increases of nutrient:

Nutrient kg/1000 gallons	Initial	Post DIGEST-IT application	% increase	Cost benefit/1000 gallons
Available Nitrogen	4	5.3	33%	+£2.37
Available Phosphate	1.3	1.7	30%	+£0.45
Available Potash	9.4	12.6	36%	+£2.83
Magnesium (MgO)	2.4	3.7	55%	-
Sulphur (SO ₃)	2.2	2.9	28%	-
Benefit over cost = £3.15/ 1000 gallons				

Based on AN £630/t, TSP £520/t, MOP £530/t. Availability of nutrients taken from RB209
 Standard slurry application = 30m³ (6600 gallons)/ha. Benefit over cost = (£3.15 x 6.6) = £20.79/ha

Aine Sweeney from Glen South Farm, Co Cork

“We have been using DIGEST-IT® since 2017 and the main improvements is the reduced agitation by 50%, also the animals are only being put out for 2 hours and it’s then safe to bring them back into the shed as there is no smell.”



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