



PLOCHER COMPOSTING PRODUCTS

Improve **decomposition time**, reduce **loss of nutrients** ... and increase **profits**

Stimulate natural beneficial biological processes, reduce the need for chemical stimulants, and improve the quality of compost, manures and sewage.

PUTTING LIFE INTO MANURES AND SLURRY

During successful composting, a lack of oxygen should never occur. Oxygen is usually introduced to composting organic matter by ventilating, turning or stirring with machinery. These mechanical processes are expensive in terms of energy and the environment.

Plocher Composting Products change slurry, manures and compost from anaerobic (without oxygen) to aerobic (with oxygen) so that naturally-occurring beneficial bacteria and bugs become activated, stimulating natural aerobic biological processes. In essence, the products supply the oxygen, minerals and elements required for these processes.



This results in easier management...

- no turning or ventilation is required and stirring is reduced or eliminated
- better hygiene: high oxygen levels encourage a healthy climate in the manure and slurry, with a significant reduction in pathogens such as e-coli, salmonella, enterococci and coliforms
- changes and a reduction in odours so ammonia and other smelly gases become less pungent
- improves decomposition time by up to 40%
- heavy metals and other pollutant levels fall
- nutrient management improves so that nutrients are not lost as gases or washed out, becoming fixed and available for plant and crop growth once spread in fields

Reduction in E-Coli with PLOCHER (cfu/g)			
	BEFORE	AFTER	PERCENTAGE CHANGE
Pig Slurry under slats (Suffolk, 2006)	150,000	8,600	-94.27
Cattle Manure (Devon, 2007)	140,000	70	-99.95
Deep Pit Layer Muck (Oxon, 2007)	74,000	<10	-99.99

Analysed by NRM Laboratories

PLOCHER-treated organic matter can be applied at any time of year, without causing damage to plants and the environment. PLOCHER products have a long lasting effect and are safe to use around all living creatures.



PLOCHER COMPOSTING PRODUCTS

PLOCHER Composting Products are not bugs or bacteria. They are fundamentally different: they are chalk or molasses which have been treated with special technology so that the slurry and manure changes, and bugs and bacteria, which are already present (but dormant) in slurry and manure, are stimulated, thrive and multiply.

Simply mix the relevant PLOCHER product with plenty of water, and apply throughout the housing, each week. For heaps and lagoons, apply once only.

Within a few days there will be a change and reduction in odour. Over the next few weeks, housing will feel cleaner and flies will stop laying eggs in the slurry or manure. In slurry, crusts will start to break down and bubbles rise to the surface. After approximately 12 weeks, composting will be complete.

COMPARISON OF ANAEROBIC VERSUS AEROBIC DECOMPOSITION	
Anaerobic Slurry/Manure/Compost	Aerobic Slurry/Manure/Compost
Without oxygen: Penetrating and overwhelming smell of rotting matter	With oxygen: Minimal or no smell
Participating elements: Oxygen-hating bacteria, pests and insects	Participating elements: Oxygen-loving bacteria, yeasts, fungi and earthworms
Leads to: Loss of nitrogen through the formation of ammonia and nitrates	Leads to: Nitrogen linkage and fixing with fungal protein as permanent flowing source of nutrients. No loss as ammonia
Result: Poorly rotted, low quality, noxious, limited-use compost	Result: Genuine humus, high quality, no smell, favoured by earthworms
Formation of: Toxins, viral infestation, bad bacteria and pests, which pose a threat to plants and animals Production of toxins: Indol, Skatol, Markpton, Butter-acid Production of diseases: Fowl pest, anthrax, paratyphoid, erysipelas, diarrhoea, typhoid, tetanus, epidemic jaundice, swine fever, foot and mouth disease, cholera etc Powerful root inhibitors	Formation of: Trace elements such as zinc, copper, magnesium, vitamins, enzymes and natural antibiotic-acting substances Environment not conducive to the production of toxins, viral infestation, bad bacteria and pests Production of penicillin No formation of root inhibitors Improved water retention capability
Environmental Effects: Danger of nitrates and nitrites in run-off. Loss of nitrogen as ammonia into the atmosphere.	Environmental Effects: Negligible amount of run-off as elements are fixed in the compost. Ammonia levels are greatly reduced, locking in nitrogen and not polluting the atmosphere.

TO FIND OUT MORE
CALL SWIFT NATURE
ON 01280 822 188

ADDITIONAL INFORMATION:

To improve nutrient levels within soil, spread PLOCHER-treated slurry, manure or compost. PLOCHER-treated slurry, manure and compost will not scorch plants and crops, and nutrients are organically-bound within the rootzone, improving assimilation.

Use of chemicals and detergents may delay the effect of PLOCHER products.

STORAGE:

Products should be stored in a cool, dry place, at least 1m from any fuse boxes or large electrical equipment. Store on wood or plastic, not metal or directly on the ground.

For the best results, the full range of products should be used together. These products are designed to have long-lasting beneficial effects and although they start working immediately, visible results may not be instantly apparent.

SWIFT NATURE

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PLOCHER 

UK Distributor

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PLOCHER COMPOSTERS

APPLICATION

Plocher Composters can be used on manure and compost heaps, in fields and in housing.

ON HEAPS

Mix 40g/m³ with plenty of water, dry sand or sawdust, and apply evenly through the heap. (On heaps under cover, ensure there is an adequate supply of water for aerobic microbial activity to occur.)

ON FIELDS

Mix 3g/m² in water and use a field sprayer to spread.

IN HOUSING, SHEDS, BARNs OR STABLES

APPLICATION RATE: 8g Plocher Komposter/500kg LW, or 2-3g/m²

FIRST APPLICATION:

Mix with plenty of water and spray on all surfaces including floor, walls and ceiling.

SUBSEQUENT APPLICATION:

Mix with water and spread over straw before chopping, dry sand or sawdust before bedding-up.

PRICE LIST

	Product No	Quantity	Cost ex-VAT	Cost/ m ³	Cost/ m ²	Cost/ 500kg LW
Cattle—Sheep—Other livestock—Green Waste						
Plocher Komposter	AK 1551	10 kg	£235.00	94p	4.7p	18.8p
Plocher Komposter	AK 1541	2 kg	£51.50	£1.03	5.2p	20.6p
Horses						
Plocher Komposter for horses	AH 2651	8 kg	£320.00	£1.60	8p	32p
Plocher Komposter for horses	AH 2641	1.5 kg	£73.50	£1.96	9.8p	39.2p
Plocher Komposter for horses	AH 2631	125g	£12.61	£4.04	20.2p	80.7p
Poultry						
Plocher Komposter for poultry on dolomite	AK 1451	8 kg	£255.00	£1.28	5.25p	21p
Plocher Komposter for poultry on molasses	AK 1471	8 litres	£255.00	£1.28	5.25p	21p

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