European Commission

GO GREEN WITH BEST ENVIRONMENTAL MANAGEMENT PRACTICES!

BEMP

Best practices to reduce enviromental impacts

Already in Use by Best Environmental Performers

→ Practical Guidance + NUM Environmental Performance Indicators + Benchmarks of Excellence

BEMP on Fertiliser Management

— An Example From The Agricultural Sector —

The BEMP on fertiliser management provides:

Practical guidance

- How to produce a nutrient management plan
- Selection of lower impact fertilisers
- Precise application of nutrients

Environmental performance indicators

- Field nutrient surplus (kg/ha/year) ← *The amount of applied nutrients not ending up in harvests or animal products*
- Nitrogen use efficiency (%)

An indication of the level of uptake of nitrogen

Benchmarks of excellence

- The fertiliser nutrients applied do not exceed the amount required to achieve the "economic optimum" crop yield.
- Field nutrient surplus or nutrient use efficiency are estimated for nitrogen, phosphorus and potassium for individual fields.

Why it matters

Ammonia Emissions

94% of European ammonia emissions arise from the storage and application of manure and fertilisers.

GHG Emissions

Over 2% of total EU greenhouse gas emissions are due to artificial fertilisers.

Eutrophication of surface waters

Agriculture accounts for 70% of nitrogen entering EU rivers and lakes. The main source is application of manure and fertilisers.

BEMPs for 11 sectors

The European Commission cooperates with experts and stakeholders from different sectors to identify BEMPs.

As a result of this cooperation, Sectoral Reference Documents for 11 sectors are currently under development.

BEMP

- Agriculture
- Public Administration
- Construction
- Telecommunications
- Food and Beverage Manufacturing
- Car Manufacturing
- Tourism
- Retail Trade
- Electrical and Electronic Equipment Manufacturing
- Waste Management
- Metal Products Manufacturing

WORKING GROUPS

JRC & DG Environment in close cooperation with

- Research centres and universities
- Member States
- EMAS organisations
- Industry associations
- Companies
- Environmental NGOs
- EMAS verifiers
- Technology providers

BEMP

EMAS

BEMPs help your organisation to improve its environmental performance and are a key element of the **EMAS** framework.

Don't have an Environmental Management System yet? Discover EMAS (the EU Eco-management and Audit Scheme) on **www.EMAS.eu**

Joint Research Centre

Interested in learning more about BEMPs?

https://ec.europa.eu/jrc/en/research-topic/best-environmental-management-practice