

BEST AGRICULTURAL PRACTICES APPLIED, LESS NITROGEN POLLUTION IN WATER BODIES



www.fairway-project.eu

Appropriate manure storage facilities at farm level

Main requirements:

- location: it has to be easily accesible and close to stables for an efficient management and without any risks;
- storage capacity: depends on the livestock number and required storage period;
- liquid and semi-liquid collection: the leakagees from manure storage has to be collected in a separate basin



Interdiction periods for field manure application

The interdiction periods, in Romanian pedo-climatic conditions, are defined by the time period in which the air average temperatures are below 5 degrees Celsius.

The interdiction periods are established according to the land use (arable, pasture), crop type (winter, spring crops) and fertilizer type (mineral, solid and liquid organic). These are the same for the whole country.



Maximum quantities of nitrogen fertilizers applied on agricultural land

The Code of Good Agricultural Practices established the nitrogen quantities required for accomplishing an yield equivalent whith the average on the last ten years at national level for the main crops if no fertilization plans are done. The nitrogen quantities are evaluated for lands with slopes both lower and higher than 12%.

Slopes lower than 12%

Wheat	Maize grains	Other cereals	Sunflower	Rape	Potatoes	Sugar beet	Vegetables	Pastures
Kg N / ha / year								
120	130	100	100	100	140	170	160	100

Slopes higher than 12%

Wheat	Maize grains	Other cereals	Sunflower	Rape	Potatoes	Sugar beet	Vegetables	Pastures
Kg N / ha / year								
90	80	80	80	80	90	120	100	80

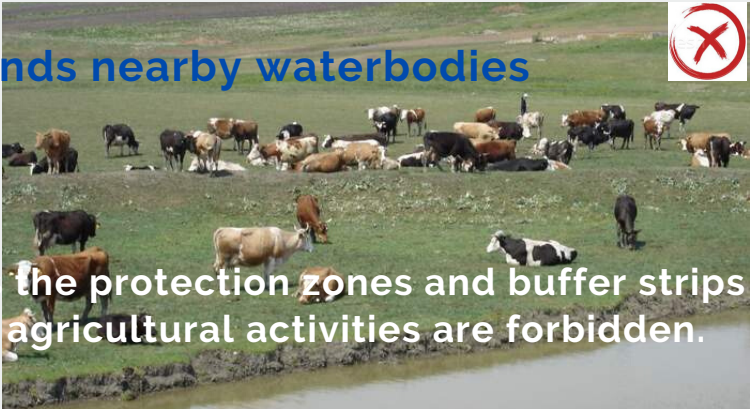
Limit of 170 kg-N/ha from animal organic fertilizers

The nitrogen quantity from animal organic fertilizers application must not exceed 170 Kg N/ha/year. If the maximum nitrogen quantity is lower than 170 Kg N/ha/year, than the maximum nitrogen quantity applied from animal manure must not exceed this value.



Fertilizers application on lands nearby waterbodies

On agricultural lands nearby waterbodies the protection zones and buffer strips must be established. In these areas the agricultural activities are forbidden.



Best agricultural practices mean clean waters.



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 727984