

Practice SQ n° 2

SOIL PASSPORT OR FARM SOIL AND WATERPLAN

Introduction

Category: Good Practice (GP)

Practice identity card

#Soil passport, water management

#SQ, food, feed, fibre, oil, Good Practice (GP), The Netherlands

Short description

➔ Based on all the properties of the soil, you'll be able to advise on measurements to decrease the loss of nitrogen and phosphorus to the environment and how to manage water in the best way possible.

Implementation process

Which practice is considered as the standard in this region? Soil information (like type of soil) is available in "bodemdata.nl". In addition, farmers take soil samples, but these are not stored nor accessible in a general database. Water quality is managed by water boards according to the Water Framework Directive.

What was the on-farm issue/challenge/opportunity that led to the implementation of the practice? To minimise the loss of N and P.

How long did it take to implement the practice and which are the measures needed to monitor: 1 hour to fill in all the questions and half hour to choose the measurements.

Logistics

- **Logistic aspects to consider:** No
- **Skill/education level required:** rather low

Agronomical traits

- **Can the practice be applied to a multitude of cultivation techniques?** There are about 85 measurements to choose.
- **Targeted crop categories:** food, feed, fibre, oil
- **Soil types suitable for the practice:** peaty, sandy, clay, loamy, chalky, silty, all types of soil
- **Expected effect on crop yield:** increase
- **Expected effect on crop yield variation:** decrease
- **Expected effect on crop quality:** increase
- **Expected effect on crop quality variation:** decrease
- **Which costs may increase due to the practice?** none

- **Which costs may decrease due to the practice?** fertilizers, herbicides, fuel, pesticides
- **Expected long-term/indirect economic benefits of the practice:** More and better yield.
- **Expected effect on the leaching of nutrients:** Great decrease
- **Specific materials applied through the practice:** animal manure

Administrative context

- **Status of the legal framework that regulates the practice:** existing, however with gaps
- **Are there any policy barriers complicating the practice's application?** No
- **Does the practice involve the use of hazardous substances?** No
- **Is the practice compliant with EU organic farming practices?** Yes
- **Are there any gaseous emissions to be considered upon application of the practice?** No
- **Greenhouse gas (GHG) reduction potential of the practice:** substantial
- **Expected effects from the practice on the time occupation of the farmer?** time-saving
- **May the practice contribute to a better public image of agriculture?** Yes
- **May the practice improve the farmer's self-image?** Yes

Contact

Name of the FIN (Fertilization Innovation Network) partner submitting the information: ZLTO
Contact information of the FIN partner: Peter.paree@zlto.nl
Eu member state: The Netherlands

Find out more

Source of information BOOT list

Additional info/links:

<https://bedrijfsbodemwaterplan.nl/>

Information is available online: <https://bedrijfsbodemwaterplan.nl/tutorial.html>