



**Control test using stratification method
to show the benefits of using
BioDeposit Agro and BioDeposit Elixir
in crop seed germination**

Introduction

In the spring of 2011 the company conducted three scientific tests to identify the effect of **BioDeposit Agro** and **BioDeposit Elixir** on germination and early success of wheat, rye and oats, using a process known as stratification.

The aim of the experiments was to prove if using both of **BioDeposit's** products **Elixir** and **Agro** had a substantial effect on the germination success of crop seeds percentages.

Method

Three crop species were tested: wheat, rye, and oats.

Test parameters: 100 seeds in each test container. Each crop species was sewn on 3 different substrates:

1. Soil, submerging crops seeds in water for up to 12 hours before planting and using common watering.
2. Soil + **BioDeposit Agro** mixed in volume proportions 3:1, submerging crops seeds in the soluble **BioDeposit Elixir** solution for up to 12 hours before planting and using common watering;
3. Soil + **BioDeposit Agro** mixed in volume proportions 3:1, submerging crops seeds in the soluble **BioDeposit Elixir** solution for up to 12 hours before planting and watering with **BioDeposit Elixir** solution.

Conclusion

Findings:

- + BioDeposit Agro and BioDeposit Elixir has positive effect on crops germination
- + BioDeposit Agro and BioDeposit Elixir has considerable beneficial influence on early development + Compared with the control (without treatment with BioDeposit Agro and BioDeposit Elixir) energy of germination of grain (Table 1): + wheat increased by 5-9% (SAMPLE 1) + rye increased by 52%-58% (SAMPLE 2) + oats increased by 7%-19% (SAMPLE 3)

In conclusion it is shown by these experiments that the use of BioDeposit Agro in the soil

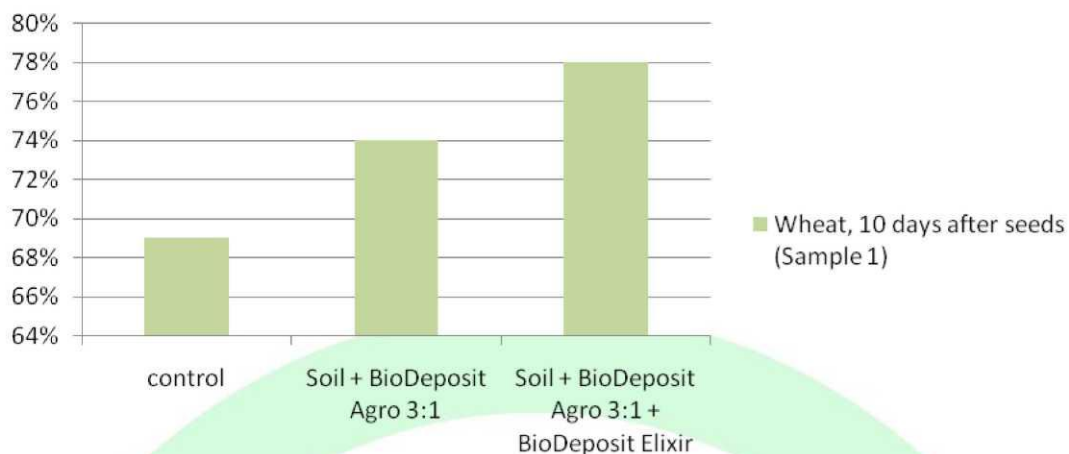
Table 1

Germination	control	Soil + BioDeposit Agro (3:1)	Soil + BioDeposit Agro (3:1) + BioDeposit Elixir
Wheat, 10 days after seeds (Sample 1)	69%	74%	78%
Rye, 10 days after seeds (Sample 2)	14%	66%	72%
Oats, 10 days after seeds (Sample 3)	5%	12%	24%

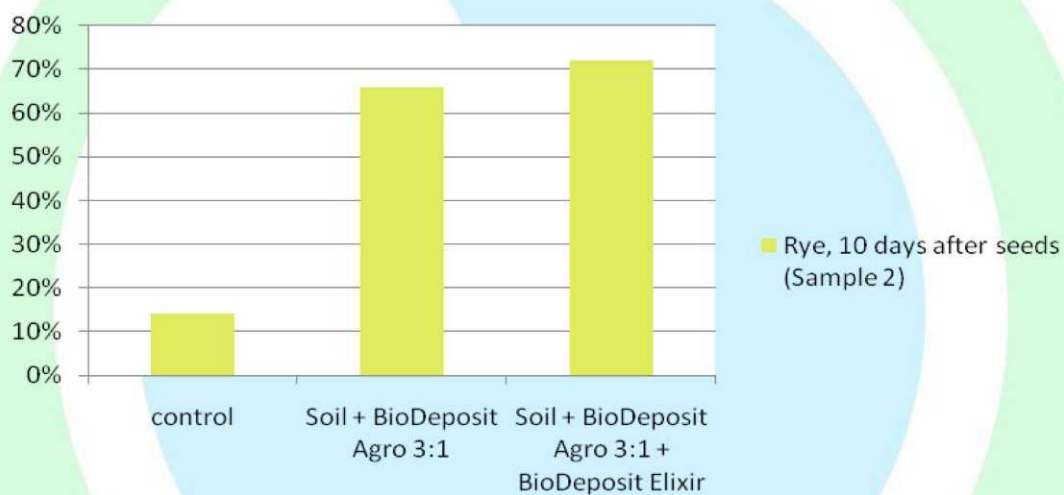
General conclusion

substrate and BioDeposit Elixir as a irrigation solution has beneficial impact in the percentage of seeds that have successful germination and size of the stems over the period of the test.

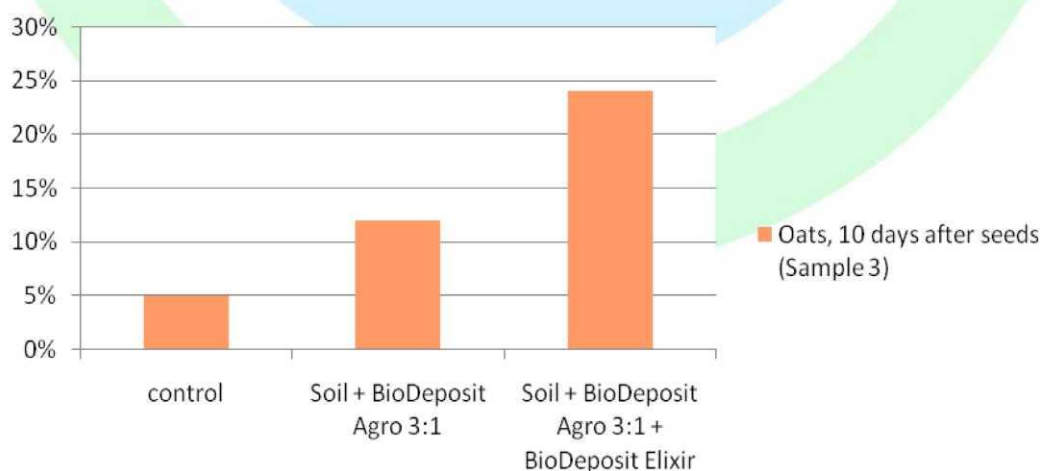
Wheat, 10 days after seeds



Rye, 10 days after seeds



Oats, 10 days after seeds





Control	Soil + BioDeposit Agro (3:1)	Soil + BioDeposit Agro + BioDeposit Elixir (3:1)
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SAMPLE 5: Wheat, 10 days after seeds



Control	Soil + BioDeposit Agro (3:1)	Soil + BioDeposit Agro + BioDeposit Elixir (3:1)
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SAMPLE 6: Rye, 10 days after seeds



Control	Soil + BioDeposit Agro (3:1)	Soil + BioDeposit Agro + BioDeposit Elixir (3:1)
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SAMPLE 7: Oats, 10 days after seed