

Control of *Rhizoctonia* & *Monographella nivalis*

European
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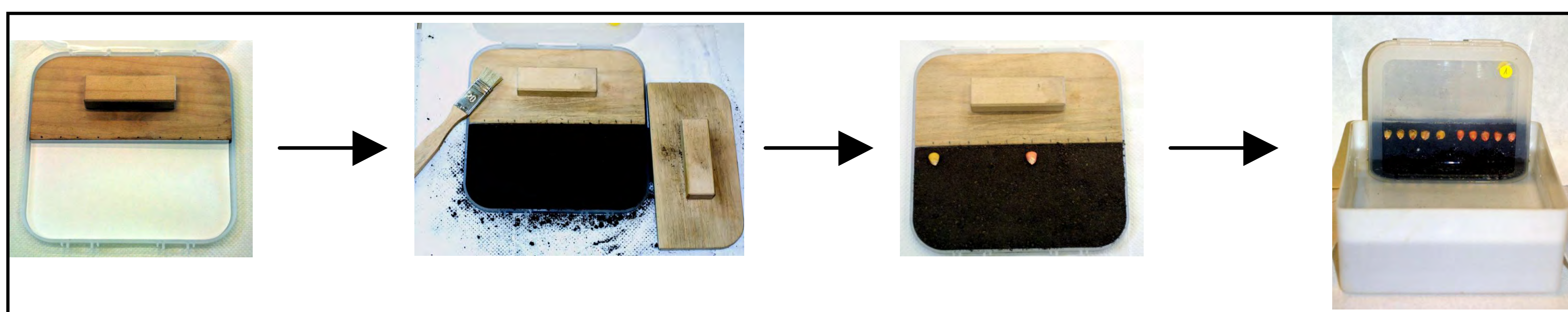
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The Seedcare Demo Kit

A Tool to Illustrate Control of Soil borne Diseases by VIBRANCE™

Material & Methods

Certified seeds free of seed borne diseases are used. Inoculation is done by either using artificial inoculated soil, which is prepared by thoroughly mixing the inoculum with sterile soil (field soil/peat substrate 1:3, V/V), or by placing infected seeds close to the target seeds. The seeds are sown into the soil inside a transparent polypropylene box. The kits can then be moistened and transferred into a plastic bag to keep the humidity at high level. The kits can not be prepared in advance as the seeds start to germinate immediately after sowing into the soil. The kits are initially stored in a vertical position in the dark at 6° C and then transferred to 20° C (*Rhizoctonia*) or 14° C (*Monographella*) with a 14 h light period.



Effect of Vibrance™ on Soil Borne Diseases

1) *Rhizoctonia cerealis* on wheat

Left / right side: 5 untreated / 5 treated wheat seeds cv. Arina

Treatment: VIBRANCE™ FS500 @ 10g sedaxane / 100kg

Inoculum: 7.5% *Rhizoctonia cerealis* by volume

2) *Rhizoctonia solani* AG 2-2IIIB on sugar beet

Left / right side: 5 untreated / 5 treated sugar beet seeds cv. Impuls

Treatment: VIBRANCE™ FS500 @ 5g sedaxane / unit

Inoculum: 1.5% *Rhizoctonia solani* by volume

3) *Rhizoctonia solani* AG 2-2IIIB on maize

Left / right side: 5 untreated / 5 treated maize seeds cv. Arma

Treatment: VIBRANCE™ FS500 @ 10g sedaxane / 100kg

Inoculum: 20 *Rhizoctonia solani* infected wheat seeds

4) *Monographella nivalis* on wheat

Left / right side: 5 untreated / 5 treated wheat seeds cv. Arina

Treatment: VIBRANCE™ FS500 @ 10g sedaxane / 100kg

Inoculum: 6% *Monographella nivalis* by volume

