Herbali Soil Balance. What emerges from the material?

Weed-germination assessment of material heaps
OMAB Phase I, 2016-2017 / Appendix 6



Organic material / illustrative image

05
Farms represented

16
Trays recorded

19
Plant labels listed

What the assessment found

Bokashi
Considerable variation in counts of germinating weeds was observed within the same sample.

Herbali Soil Balance / composting
Fewer germinating weeds were observed.

The assessment / OMAB Phase I

Material heaps. Recorded observations.

Weed-germination observations from Bokashi and Herbali Soil Balance heaps are recorded by farm, date, sample type and tray. The following pages reproduce the complete assessment record.

Source method note. The duration of the weed test differed between trays. The various trays therefore did not spend the same amount of time in the test.

Source: OMAB Phase I, Appendix 6, dated 13 September 2017.

Complete record / 2017

Herbali Soil Balance

Two farms / four Standard trays. Only one numerical entry is recorded: Grass, 2, in Mts. Schrijver tray 2. All other cells remain blank.

Plant label English translation	Lindeboom 20-05-2017 Tray 1 Standard	Lindeboom 20-05-2017 Tray 2 Standard	Mts. Schrijver 03-05-2017 Tray 1 Standard	Mts. Schrijver 03-05-2017 Tray 2 Standard
Buttercup	–	–	–	–
Nettle	–	–	–	–
Dead-nettle	–	–	–	–
Yarrow	–	–	–	–
Oak	–	–	–	–
Grass	–	–	–	2
Hedge bindweed	–	–	–	–
Chervil	–	–	–	–
Hairy bittercress	–	–	–	–
Galinsoga	–	–	–	–
Creeping buttercup	–	–	–	–
Fat-hen	–	–	–	–
Sow-thistle	–	–	–	–
Redshank	–	–	–	–
St John's wort	–	–	–	–
Ribwort plantain	–	–	–	–
Balsam	–	–	–	–
Common chickweed	–	–	–	–
Winter purslane	–	–	–	–

- = blank in the source, not a recorded zero. Dates use day-month-year.

Field inventory: no entry is supplied for these four trays. Test duration differed between trays.

Complete record / 2017

Bokashi / Mts. De Vos

Four trays / two Standard and two Modified samples. Sample preparations are not described in Appendix 6.

Plant label English translation	Mts. De Vos 11-04-2017 Tray 1 Standard	Mts. De Vos 11-04-2017 Tray 2 Standard	Mts. De Vos 11-04-2017 Tray 3 Modified	Mts. De Vos 11-04-2017 Tray 4 Modified
Buttercup	–	–	–	–
Nettle	17	15	22	87
Dead-nettle	–	–	–	–
Yarrow	–	–	–	–
Oak	–	–	–	–
Grass	36	24	87	93
Hedge bindweed	–	–	–	–
Chervil	–	–	–	–
Hairy bittercress	1	–	5	1
Galinsoga	–	–	–	–
Creeping buttercup	–	1	–	–
Fat-hen	3	6	37	–
Sow-thistle	–	–	–	–
Redshank	–	–	15	–
St John's wort	–	–	–	–
Ribwort plantain	–	–	–	–
Balsam	–	–	4	–
Common chickweed	–	1	–	–
Winter purslane	–	–	–	–

- = blank in the source, not a recorded zero. Dates use day-month-year.

Field inventory: "not observed in the field" covers trays 1-2 only. The other cells are blank. Test duration differed between trays.

Complete record / 2017

Bokashi / Kraayvanger

Four Standard trays. Each numerical entry is reproduced at its original row and tray position.

Plant label English translation	Kraayvanger 28-03-2017 Tray 1 Standard	Kraayvanger 28-03-2017 Tray 2 Standard	Kraayvanger 28-03-2017 Tray 3 Standard	Kraayvanger 28-03-2017 Tray 4 Standard
Buttercup	–	–	–	–
Nettle	67	39	23	24
Dead-nettle	–	–	–	–
Yarrow	–	1	–	–
Oak	4	4	6	–
Grass	48	50	21	7
Hedge bindweed	–	–	5	–
Chervil	–	–	–	1
Hairy bittercress	–	–	–	–
Galinsoga	3	–	–	–
Creeping buttercup	–	–	–	–
Fat-hen	30	22	16	3
Sow-thistle	–	–	–	–
Redshank	3	2	1	–
St John's wort	–	–	2	6
Ribwort plantain	–	8	2	–
Balsam	–	–	–	–
Common chickweed	9	16	2	–
Winter purslane	5	3	–	–

- = blank in the source, not a recorded zero. Dates use day-month-year.

Field inventory: "not observed in the field" covers all four trays. Test duration differed between trays.

Complete record / 2017

Bokashi / Mts. Fix

Four trays / two Standard and two Modified samples. Sample preparations are not described in Appendix 6.

Plant label English translation	Mts. Fix 03-05-2017 Tray 1 Standard	Mts. Fix 03-05-2017 Tray 2 Standard	Mts. Fix 03-05-2017 Tray 3 Modified	Mts. Fix 03-05-2017 Tray 4 Modified
Buttercup	1	1	2	–
Nettle	12	5	5	40
Dead-nettle	–	–	1	20
Yarrow	–	–	–	–
Oak	1	1	1	–
Grass	14	26	9	35
Hedge bindweed	–	–	–	–
Chervil	–	–	–	–
Hairy bittercress	–	–	–	–
Galinsoga	–	–	–	–
Creeping buttercup	–	–	–	–
Fat-hen	–	4	–	1
Sow-thistle	–	1	13	–
Redshank	–	–	–	–
St John's wort	–	–	–	–
Ribwort plantain	–	–	–	–
Balsam	1	–	–	–
Common chickweed	–	–	–	32
Winter purslane	–	–	–	–

- = blank in the source, not a recorded zero. Dates use day-month-year.

Field inventory: no entry is supplied for these four trays. Test duration differed between trays.