

Supplementary material: Description of sites involved in the field test

Site	Site Id on Fig.3	Plot	Plot Id on Fig.3	Soil texture	Soil Type	Habitat type
Gödöllő	1	Szárítópuszta 4	A	Sand	Ramann brown forest soils	Shrubland
		Szárítópuszta 5	B	Sand	Ramann brown forest soils	Fallow
		Szárítópuszta 6	C	Sand	Ramann brown forest soils	Fallow
Budapest	2	GYKI 2	D	Clay	Alluvial soils	Gallery forest
		GYKI 3	E	Clay	Alluvial soils	Seminatural grassland
		GYKI 1	F	Clay	Alluvial soils	Orchard (quince)
Soroksár	3	Soroksár 1	G	Clay	Meadow soils	Gallery forest
		Soroksár2	H	Clay	Meadow soils	Shrubland
		Soroksár3	I	Clay	Meadow soils	Gallery forest
		Soroksár4	J	Clay	Meadow soils	Gallery forest
Karcag	4	Karcag1	K	Clay	Meadow soils	Oak forest
		Karcag2	L	Clay	Meadow soils	Oak forest
		Karcag3	M	Clay	Meadow soils	Oak forest
		Karcag4	N	Clay	Solonetz	Saline grassland
Kompolt	5	Kompolt 2	O	Clay	Meadow soils	Cropland (winter wheat)
		Kompolt 1	P	Clay	Meadow soils	Mesic grassland
Kaposvár	6	Kaposvár 1	Q	Loam	Chernozems	Seminatural grassland
		Kaposvár 2	R	Loam	Chernozems	Seminatural grassland
		Kaposvár 3	S	Loam	Chernozems	Orchard (apple)
Keszthely	7	Keszthely 1	T	Loam	Brown forest soils with clay illuviation	Orchard (pear)
		Keszthely 2	U	Loam	Brown forest soils with clay illuviation	Orchard (pear)
		Keszthely 3	V	Loam	Brown forest soils with clay illuviation	Seminatural grassland
Vácrátót	8	OBKI 1	W	Sand	Sandy soils	Broadleaved deciduous woodland
Göd	9	Göd1	X	Sand	Sandy soils	Foodplain meadows
		Göd2	Y	Sand	Sandy soils	Broadleaved deciduous woodland