**Low-input maize-based cropping systems implementing IWM match conventional maize monoculture’s productivity and weed control**

**Guillaume Adeux 1,2, Simon Giuliano 1\*, Stéphane Cordeau 2, Jean-Marie Savoie 3 and Lionel Alletto 1**

1 Université de Toulouse - École d’ingénieurs de Purpan, UMR 1248 AGIR – 75, voie du TOEC, BP 57611, F-31076 Toulouse cedex 3, France ; guillaume.adeux@inra.fr (G.A.) ; simon.giuliano@purpan.fr (S.G.) ; jm.savoie@purpan.fr (J-.M.S.); lionel.alletto@lrmp.chambagri.fr (L.A.)

2 Agroécologie, AgroSup Dijon, INRA, Univ. Bourgogne Franche-Comté, F-21000 Dijon, France ; guillaume.adeux@inra.fr (G.A.) ; stephane.cordeau@inra.fr (S.C.)

3 Université de Toulouse - École d’ingénieurs de Purpan, UMR 1201 DYNAFOR – 75, voie du TOEC, BP 57611, F-31076 Toulouse cedex 3, France.; jm.savoie@purpan.fr (J.M.S.)

\* Correspondence: simon.giuliano@purpan.fr; Tel. +33 5 61 15 30 07

**Supplementary information Figure 3: Procedure for computing the Potential of Infestation (1) indicator**

(1) The Potential of Infestation was calculated as the maximum density *d* over the two sampling dates of a given weed species *i* observed in a given quadrat *j* during one crop season (e.g. at maize 6-8 leaf and flowering stages), which was then averaged over the *n* quadrats of the plot [45]:

45. Cordeau, S.; Dessaint, F.; Munier-Jolain, N.M. Long-term assessment of integrated weed management cropping systems in france. *Aspects of Applied Biology* **2015**, 275-278.