

Seed Dispersal of Dandelion

influenced by human interference and environment

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Introduction

Long-distance seed dispersal (LDD) is important for the survival strategies of plants [1]. Pappus of *Taraxacum officinale* enhances dispersal by wind and LDD [2]. Humans have the potential for LDD of seeds but there is limited research on testing clothing as a vector [3].

Methods

2 environments:



2 vectors:



human
(trousers)



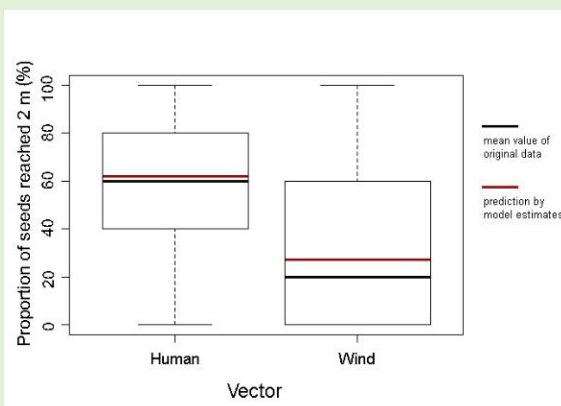
wind (release from 75cm)

5 seeds each time

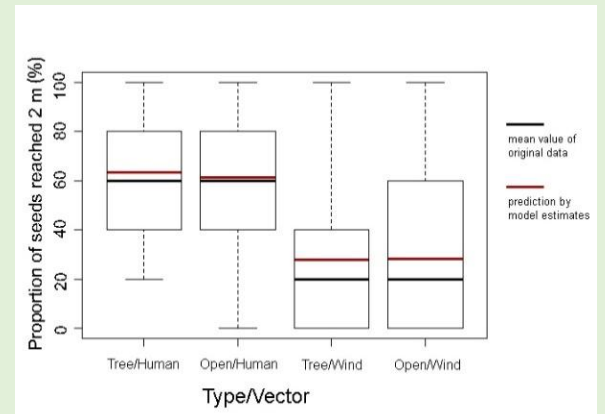


record seeds reaching 2 m

2 meters



Proportion of seeds reached 2 meters by different vectors.



Proportion of seeds reached 2 meters regarding different vectors /environments.

No significant influence of environment on seed dispersal.

Conclusion

Vector is influencing the dispersal of dandelions, while environment has no effect. Human interference is playing an important role in LDD and spread of invasive weeds. Therefore, it is important to understand and manage different dispersal vectors.

Humans as vector are more efficient in seed dispersal.