

**Local adaptation to continuous mowing makes the noxious weed *Solanum elaeagnifolium* a superweed candidate by improving fitness and defense traits.**

Jesus Chavana<sup>1</sup>, Sukhman Singh<sup>1</sup> Alejandro Vazquez <sup>1</sup>, Bradley Christoffersen<sup>1</sup>, Alexis Racelis<sup>1, 2</sup>, and Rupesh R. Kariyat<sup>1, 2</sup>

<sup>1</sup> Department of Biology, The University of Texas Rio Grande Valley, Edinburg, Texas 78539.

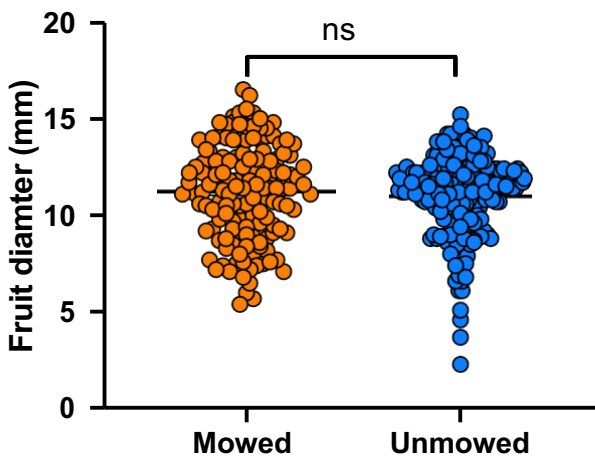
<sup>2</sup> School of Earth, Environmental and Marine Sciences, Edinburg, Texas 78539

Author for correspondence: Rupesh.kariyat@utrgv.edu

## Supplementary Figures and Tables

Table 1. Location coordinates of mowed and unmowed sub-populations of SLN used for this study

<i>Location</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Treatment</i>
Edinburg	26.313476	-98.145862	Mowed
Edinburg	26.306722	-98.145631	Mowed
McAllen	26.27475	-98.223654	Unmowed
McAllen	26.168613	-98.313712	Unmowed



Supplementary figure 1: Results of fruit diameter from plants collected from 4 mowed and unmowed sub-populations( $P=0.269$ ).