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Corrigendum: Impact of cropping system diversification on vegetative and reproductive characteristics of waterhemp (*Amaranthus tuberculatus*)

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KEYWORDS

waterhemp (*Amaranthus tuberculatus* (Moq.) J. D. Sauer), cropping system diversification, fecundity, integrated weed management, reproductive potential, Midwestern—United States, agroecolgy, sex ratio

A Corrigendum on

Impact of cropping system diversification on vegetative and reproductive characteristics of waterhemp (*Amaranthus tuberculatus*)

By Nguyen HTX and Liebman M (2022). Front. Agron. 4:811359. doi: 10.3389/fagro.2022.811359

In the published article, there were 7 errors in **Materials and Methods**, Table 2: Error 1: The 2018 soybean planting date originally stated "Jun. 3". This has been

changed to "May 17".

Error 2: Missing 2018 soybean herbicide application date and type.

Error 3: The 2019 oat harvest date originally stated "Jul. 22 and 24". This has been changed to "Jul. 24 and 29".

Error 4: Incomplete 2019 red clover cultivar name.

Error 5: Missing year in 2019 alfalfa planting date.

Error 6: The 2019 alfalfa harvest date originally stated "Jun. 7, Jul. 12, Aug. 26,". This has been changed to "Jun. 7, Jul. 12, and Aug. 26".

Error 7: Footnotes were missing from Headers "Planting date", "Harvest date", and "Crop density".

Table 2 has been updated as shown below.

The authors apologize for these errors and state that this does not change the scientific conclusions of the article in any way. The original article and GitHub repository have been updated.

	Crop	variatias and	aateb	and	ratae	for management	operations in	2018 and 2019.
IADLE Z	Grop	varieties ariu	uales	anu	rales	101 management	operations in	2010 anu 2019.

Rotation	Crop	Hybrid or cultivar	Planting date ¹	Harvest date ²	Seed density	Crop density ³	Interrow	Cultivation	Herbicide (kg ai/ha)			
2018 season												
all	corn	Epley 1420	May 8	Oct. 30	seeds m ⁻² 8	plants m ⁻² 8	cm 76	low: Jun. 4; conv: none	low: tembotrione (0.054); conv: PRE thiencarbazone methyl (0.037), isoxaflutole (0.093); POST: mesotrione (0.105), nicosulfuron (0.053)			
all	soybean	Latham 2758 R2	May 17	Oct. 29	35	18	76	none	PRE: flumioxazin (0.096); POST: glyphosate as potassium salt (1.540), lactofen (0.140)			
3- and 4-year	oat	INO9201	Apr. 24	Jul. 20	kg m ⁻² 0.009	plants m ⁻² 225 (3-year) and 236 (4-year)	cm 20	none	none			
3-year 4-year	red clover alfalfa	Mammoth Red 55H94	Apr. 24 Apr. 12, 2017	Jun. 4, Jul. 9, and Sep. 10	0.002 0.002	187 154	20 20	none none	none			
2019 sea	son											
all	corn	Epley 1730	Jun. 3	Nov. 6	seeds m ⁻² 8	plants m ⁻² 8	cm 76	none	low: tembotrione (0.0054); conv: PRE: thiencarbazone methyl (0.037), isoxaflutole (0.093); POST: mesotrione (0.105), nicosulfuron (0.053)			
all	soybean	Latham 2758 R2	Jun. 10	Oct. 18	35	31	76	none	PRE: flumioxazin (0.096); POST: glufosinate ammonium (0.594), clethodim (0.136)			
3- and					kg m ⁻²	plants m ⁻²	cm	none	none			
4-year	oat	INO9201	Apr. 16	Jul. 24 and 29	0.009	366 (3-year) and 330 (4-year)	20	none	none			
3-year	red clover	Mammoth Red	Apr. 16		0.002	219	20	none	none			
4-year	alfalfa	WS Leafguard	Apr. 24, 2018	Jun. 7, Jul. 12, and Aug. 26	0.002	176	20	none	none			

¹Alfalfa crops harvested in 2018 and 2019 were planted in 2017 and 2018, respectively.

²Oat crop harvests in 2019 were done in two days because of equipment complications.

³Soybean germination in 2018 was lower than in 2019 because of poor drainage in the soil. Oat and red clover were intercropped in the 3-year system. Oat and alfalfa were intercropped in the third year of the 4-year system, and alfalfa was overwintered after oat harvest.

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