

Table 1. Cover crop seeding and termination dates, as well as metrics of mustard cover crop performance at four sites in southern NM. For mustard performance metrics, date are means with standard errors (n = 18, unless noted otherwise)

Site	Cover crop seeding date	Average first frost date	Cover crop termination date	Mustard aboveground biomass at termination	Relationship between mustard biomass and SSA biomass ¹	Weed biomass in mustard at termination
				g m ⁻²		% of total biomass
Columbus	Nov. 10, 2018	Nov. 1 – Nov. 10	Feb. 14, 2019	525 ± 33.4	BCC > SSA	0.9 ± 0.48
Deming	Sept. 29, 2018	Oct. 21 – Oct. 31	Feb. 22, 2019	463 ± 17.7	BCC = SSA	0.02 ± 0.01
Las Uvas	Oct. 29, 2018	Oct. 21 – Oct. 31	Mar. 5, 2019	125 ± 13.1 ²	BCC < SSA	5.1 ± 3.19 ²
Leyendecker	Oct. 11, 2018	Nov. 1 – Nov. 10	Mar. 15, 2019	598 ± 30.2	--	0

¹ At all sites except Leyendecker, the mustard cover crop was compared against a site-specific alternative (SSA). The SSA was barley at Las Uvas and Columbus, mustard with wheat at Deming. Relationships between mustard biomass at termination and SSA biomass at termination were assessed with paired sample t-tests ($\alpha = 0.05$).

² At Las Uvas, n = 12