

Table 2

Crop management details and sampling dates for five experimental sites in north-central Montana.

	Site				
	Big Sandy	Box Elder	Joplin	Sunburst	Oilmont
Legume Green Manure					
Green manure crop	Semi-leafless pea	Forage pea	Semi-leafless pea	Semi-leafless pea	Lentil
Cultivar	Polstead	Sirius	Cruiser	Espace	Indianhead
Seeding date (2009)	Apr. 11	Apr. 21	May 11	Apr. 15	May 17
Seeding rate (kg ha ⁻¹)	168	186	135	168	39
Row spacing (cm)	31	31	31	19	23
Targeted plant density (plants m ⁻²)	64	132	61	76	130
Fertilizer	0	0	0	0	0
Inoculant brand*	<i>NitraStik</i>	<i>NitraStik</i>	<i>NitraStik</i>	<i>Tag Team</i>	<i>NitraStik</i>
Termination date (2009)	June 18	June 23	June 26	June 27	July 09
Plant stage at termination‡	Late first bloom	Late first bloom	Early first bloom	50% bloom	Early first bloom
Termination herbicide	Glyphosate; 2,4-D; Dicamba	Glyphosate; 2,4-D amine	Glyphosate; Dicamba	Glyphosate	Glyphosate; 2,4-D
Respective rates, a.e. (g ha ⁻¹)	578; 504; 175	841; 399	709; 210	788	788; 284
Sampling date (2009)	June 23	June 29	June 30	July 01	July 15
Wheat					
Pre-seeding sample date†	Sep. 04, 2009	Sep. 03, 2009	Sep. 03, 2009	Apr. 03, 2010	Apr. 04, 2010
Wheat type	Winter	Winter	Winter	Spring	Spring
Cultivar	Genou	Genou	Genou	Corbin	Corbin
Wheat seeding date	Sep. 22, 2009	Sep. 22, 2009	Sep. 23, 2009	Apr. 25, 2010	May 05, 2010
Seeding Rate (kg ha ⁻¹)	67	67	67	84	78
Row spacing (cm)	30.5	30.5	30.5	19.1	22.9
Fertilizer	0	11-52-0; 46-0-0	11-52-0; 46-0-0	10-20-0; 46-0-0	0
Respective rates (kg ha ⁻¹)	-	86; 146	56; 62	56; 62	-
Wheat sampling date (2010)§	Aug. 05	Aug. 04	Aug. 16	Aug. 26	Aug. 27

* All inoculants used were peat-based, minus the Sunburst producer, who used a liquid form.

† Pre-seeding sampling dates were dependent on the producer's decision to plant a spring or winter wheat crop.

‡ Early first bloom = appearance of first flower observed in field, Late first bloom = one flower present on most plants in field, 50% bloom = halfway to full bloom.

§ Wheat crops harvested by producers within 0 to 7 days after the sampling date.