

Appendix 1. Treatment Establishment Guidelines

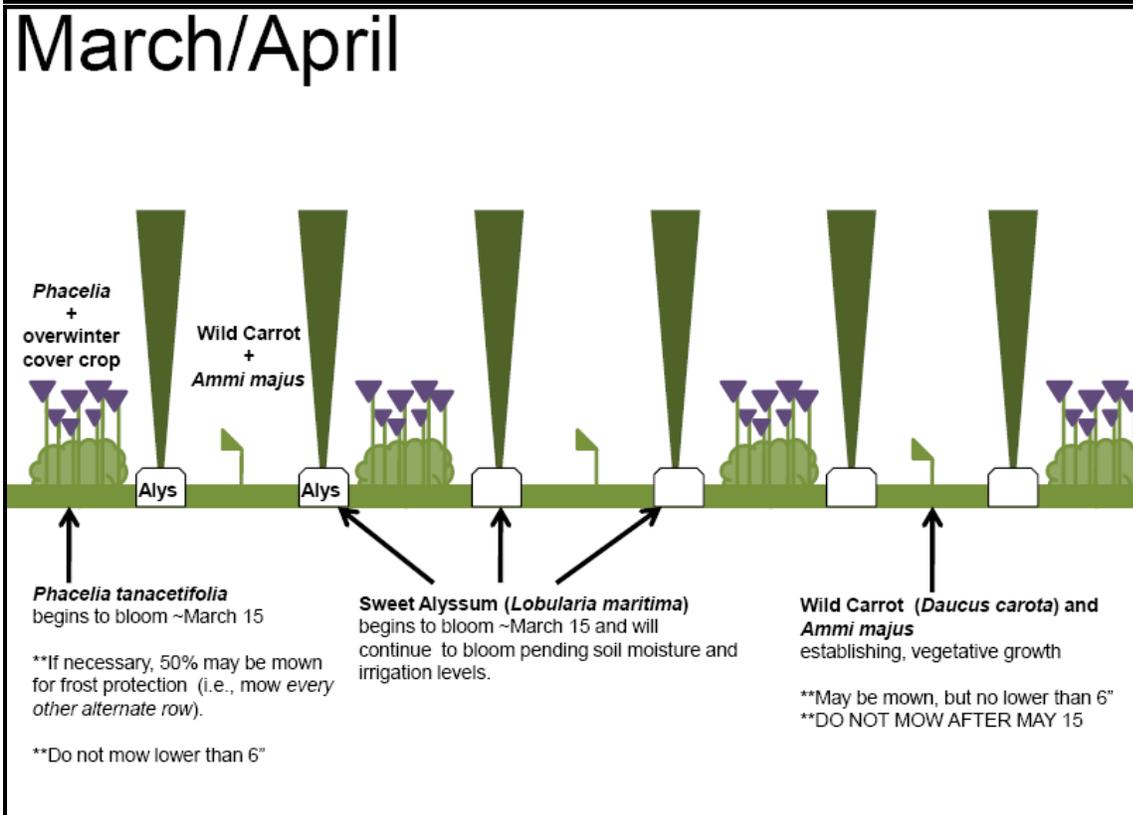
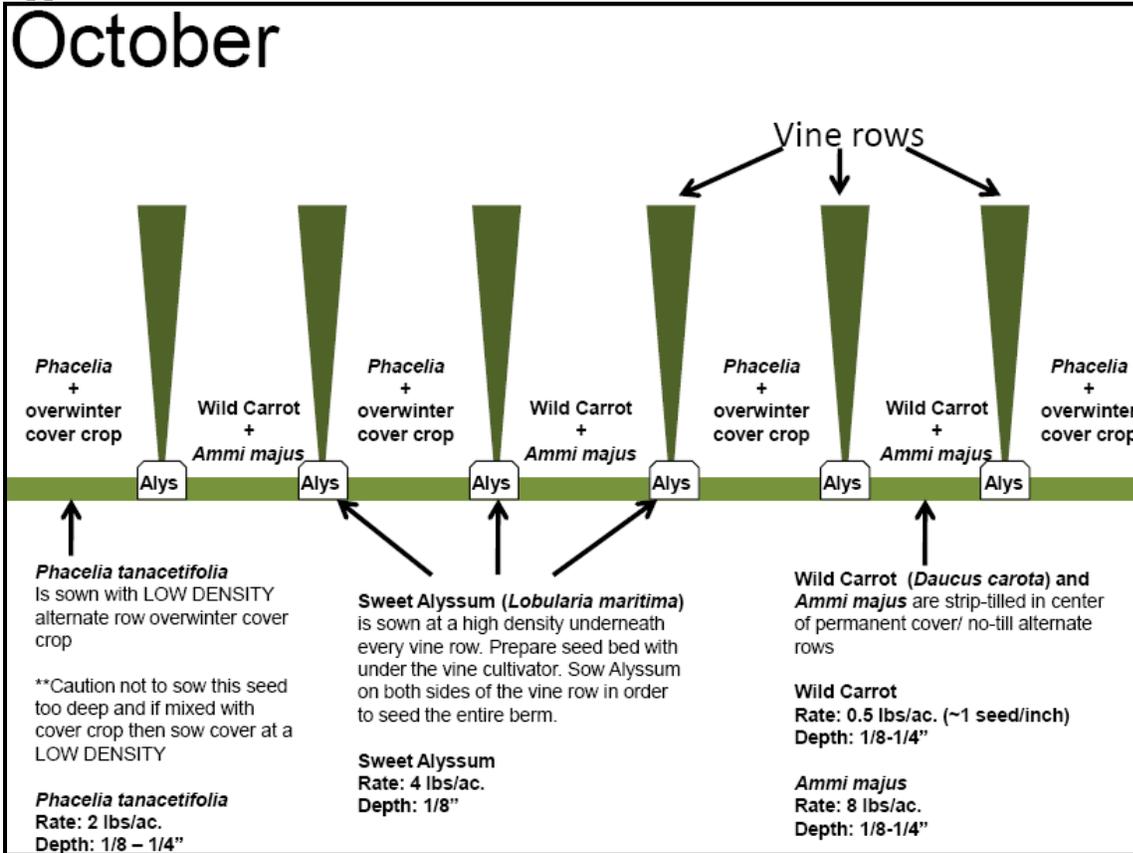
Bloom Sequence of FRP Species

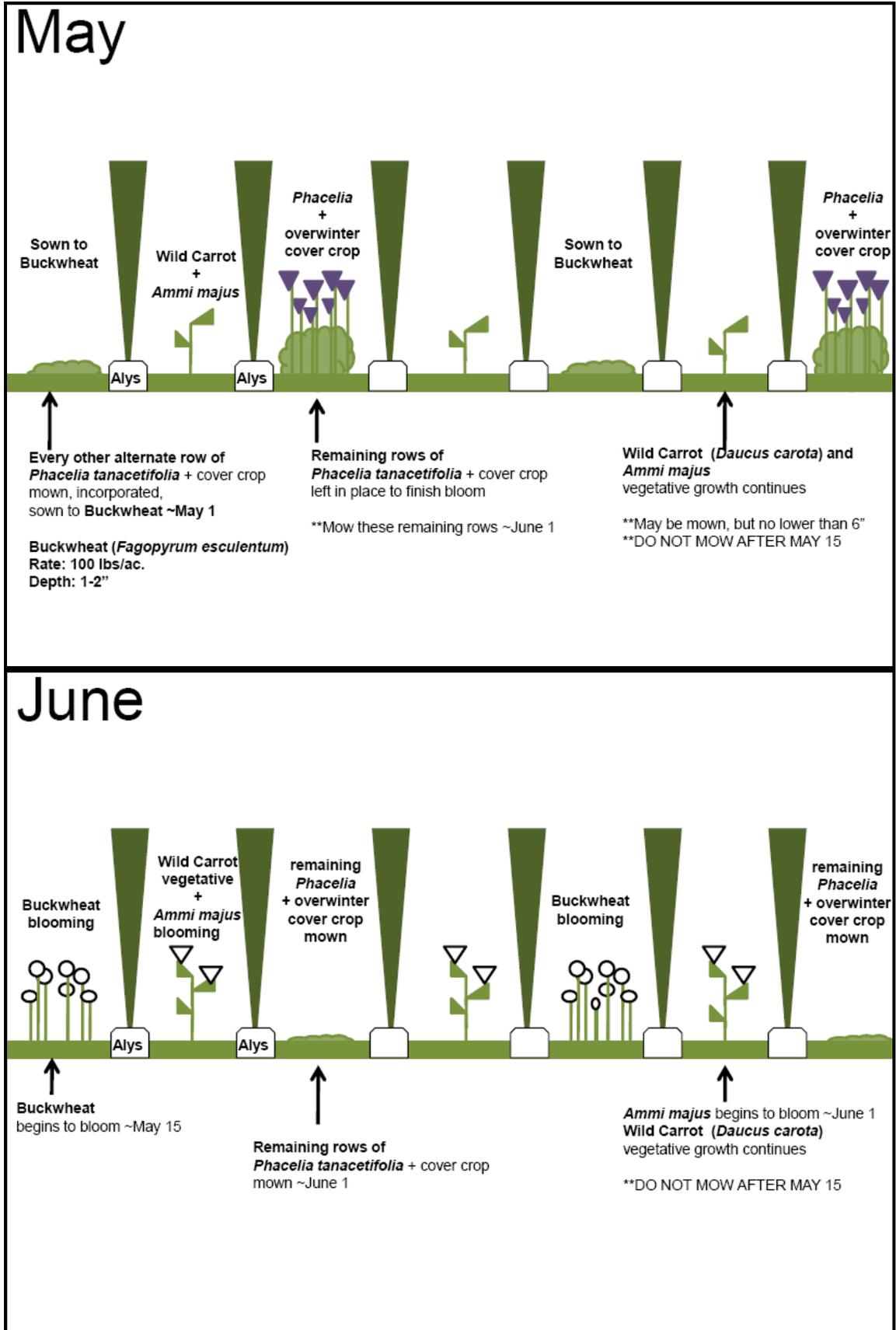
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Phacelia												
Buckwheat												
Ammi majus												
Wild Carrot												
Alyssum												

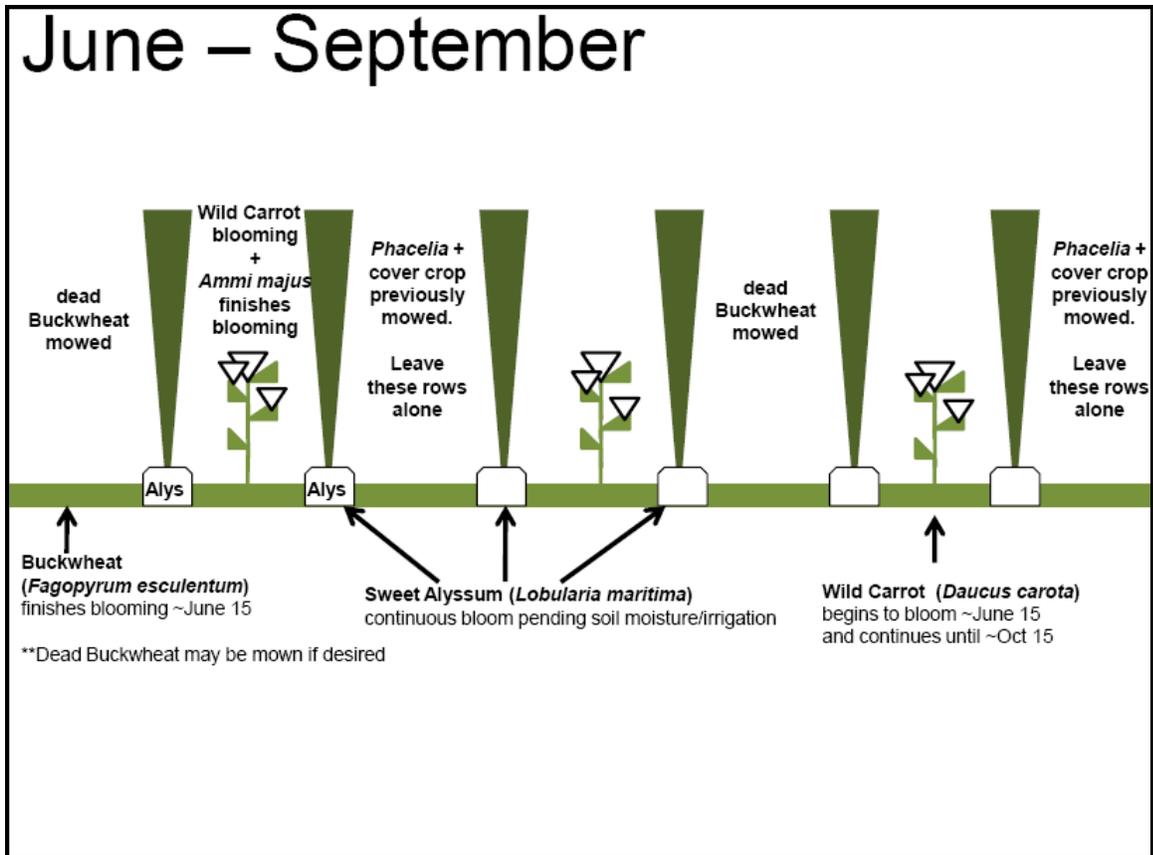
Sowing Rates, Depth and Timing

Species	Location	Rate	Depth	Sown
Purple Tansy <i>Phacelia tanacetifolia</i>	(1) Sow <i>Phacelia</i> by itself to alternate alleys OR (2) Sow <i>Phacelia</i> with LOW DENSITY overwinter legume/grass cover crops, sown to alternate alleys. In spring every other alternate alley is mowed after flowering (April/May) and then sown to annual Buckwheat. Take caution not to sow <i>Phacelia</i> too deep. Lightly cover all seed with roller or brushes.	2 lbs/ac.	1/8 - 1/4"	Oct 15
Sweet Alyssum <i>Lobularia maritima</i>	Prepare seed bed with under vine cultivator (see notes on following pages). Seed must be sown on either side of vine row to cover entire berm.	4 lbs/ac.	1/8 – 1/4"	Oct 15
Wild Carrot <i>Daucus carota</i>	Strip-tilled in center of permanent cover/ no-till alternate alleys. Seed can be mixed with rice hulls to facilitate sowing. Take caution not to sow <i>Daucus</i> too deep.	0.5 lbs/ac.	1/8 – 1/4"	Oct 15
<i>Ammi majus</i>	If used, mix with Wild Carrot and sown both species simultaneously.	8 lbs/ac.	1/8-1/4"	Oct 15
Buckwheat <i>Fagopyrum esculentum</i>	Sown into every other alternate alley of <i>Phacelia</i> /cover-crop following spring mow and incorporation (i.e., sow to every 4 th alley).	100 lbs/ac.	1/4-1/2"	May 1

Appendix 1 (continued). Treatment Establishment Guide







Alternate Treatment Options

Growers unable to implement the full experimental treatment as outlined may trial one of the following alternate options.

Option #	Fall (Oct. 15)	Spring (May 1)
1	<i>Phacelia</i> sown to alternate rows (with or without cover crop depending on your practices) <i>Ammi</i> + <i>Daucus</i> (sown to alternate rows)	No additional spring management. Mow cover crops as usual.
2	<i>Phacelia</i> sown to alternate rows (with or without cover crop)	Mow every other row of cover crop in April. Sow Buckwheat to these rows. (i.e., Buckwheat sown every 4 th row-middle)
3	Alyssum sown at high density (4lbs/ac.) underneath vine row.	Mow cover crops as usual. Sow Buckwheat to alternate rows.
4	Alyssum underneath vine row.	Mow cover crops as usual
5	<i>Phacelia</i> + cover crop (alt. rows) Alyssum underneath vine row.	Mow every other row of cover crop in April. Sow Buckwheat to these rows (i.e., Buckwheat sown every 4 th row-middle)
6	<i>Phacelia</i> + cover crop (alt. rows) <i>Ammi majus</i> (alt. rows)	No additional spring management
7	<i>Phacelia</i> + cover crop (alt. rows) <i>Ammi majus</i> (alt. rows)	Mow cover crops as usual. Sow Buckwheat to alternate rows.
8	<i>Phacelia</i> + cover crop (alt. rows) Alyssum underneath vine row <i>Ammi</i> (alt. rows)	Mow cover crops as usual. Sow Buckwheat to alternate rows.
9	<i>Phacelia</i> + cover crop (alt. rows) Alyssum underneath vine row <i>Ammi</i> + <i>Daucus</i> (alt. rows)	Mow cover crops as usual. Sow Buckwheat to alternate rows.

****Options #3,4,5 have choice of sowing Alyssum underneath vine row in the early spring rather than fall.**