

PA- Supplemental Guidance

WQL-16 Use of Legume Cover Crops as a Nitrogen Source – Nitrogen provided by legume cover crops is directly related to the amount of biomass produced. Participants should use Cover Crop (340) guidance if the cover crop is listed in the 340 standard. Additional guidance is available in the Penn State Agronomy Guide for hairy vetch, crimson clover, and red clover. Participants should consult *Managing Cover Crops Profitably Third Edition (MCCP-3)* (<http://www.sare.org/publications/covercrops.htm>) for berseem clover, cowpeas, medics, sweet clover, and white clover guidance. Consult MCCP-3 for geographic adaptability of cover crops.

<u>Cover Crop</u>	Total N (lb./A) provided by whole cover crop plant harvested at Minimum Dry Matter Required	Minimum Dry Matter Required (lb./A/yr.)	Inoculation of legume with specific rhizobium required?	Managing Cover Crops Profitably Third Edition
Hairy Vetch	90	2,300	Yes	Page 142
Red Clover	70	2,000	Yes	Page 159, biennial
Crimson Clover	70	3,500	Yes	Page 130, Limited geographic winter hardiness adaptability.
Berseem clover	75	6,000	Yes	Page 118, summer annual adaptability.
Cowpeas	100	2,500	Yes	Page 125, limited geographic adaptability
Medics	50	1,500	Yes	Page 152, annuals
Sweet clover	90	3,000	Yes	Page 171
White clover	80	2,000	Yes	Page 179

Cropland - System/acre

Not compatible with ANM01, ANM02, ANM12, ANM21,
ANM22,**ENR08, SOE02, SQL03, SQL06

Additional Guidance for 2011-1

**Additional compatibility issue.