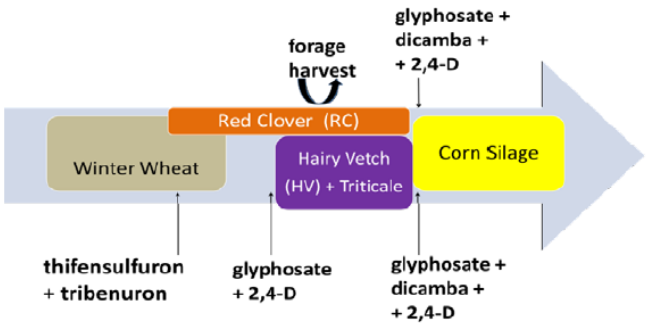


*Fig 2. Green manure comparison: red clover versus hairy vetch + triticale, grown between winter wheat and corn. Red clover is drilled into the wheat in March or early April; hairy vetch + triticale are planted about one month after wheat is harvested.*

| Year | Cover Crop Treatment | Wheat | | | | Cover Crop | | Corn Silage | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Weed Biomass $g*m^{-2}$ | SE | Yield^ $Mg*ha^{-1}$ | SE | Biomass$ $Mg*ha^{-1}$ | SE | Weed Biomass $g*m^{-2}$ | SE | Yield^ $Mg*ha^{-1}$ | SE |
| 2010-2011 | Red Clover | ----- | ----- | ----- | ----- | 3.9*** | 0.2 | 0.4 | 0.7 | 12.9 | 0.5 |
| | Hairy Vetch | ----- | ----- | ----- | ----- | 2.1 | 0.2 | 1.4 | 0.7 | 12.4 | 0.5 |
| 2011-2012 | Red Clover | 60.2 | 12.6 | 3.6 | 0.4 | 4.1 | 0.4 | 14.6 | 4.9 | 14.0* | 0.3 |
| | Hairy Vetch | 15.1 | 12.6 | 3.9 | 0.4 | 3.9 | 0.4 | 12.3 | 4.9 | 12.2 | 0.3 |
| 2012-2013 | Red Clover | 0.7 | 0.5 | 4.6 | 0.3 | ----- | ----- | ----- | ----- | ----- | ----- |
| | Hairy Vetch | 0.5 | 0.5 | 4.4 | 0.3 | ----- | ----- | ----- | ----- | ----- | ----- |

*= indicates statistically higher value by green manure crop at $p<0.05$

***=indicates statistically higher value by green manure crop at $p<0.001$

$- biomass measured just before termination of cover crop, ahead of corn planting

^- yields reported as dry matter, Mg per hectare

*Table 5. Weed Biomass and Yields: Comparing red clover and hairy vetch as green manure cover crops between winter wheat and corn.*