Weed Management Strategies in Brassica and Other Oilseed Crops

Joe Yenish, Frank Young, and Ian Burke
Canola/ Rapeseed

- **Sonalan**
  - Preplant Incorporated
  - 5.5 - 9.5 # Sonalan
  - 10G/ A
  - 1.5-2.5 pts Sonalan HFP/ A

- **Treflan**
  - Preplant Incorporated
  - 5 - 10 # Treflan TR10/ A
  - 1 - 2 pints Treflan HFP/ A
Canola/ Rapeseed

- **Grasses**
  - **Assure II**
    - 5 to 12 oz/ appl.
    - ≤18 oz/ season
  - **Poast**
    - 1 to 2.5 pts/ appl.
    - ≤5 pts/ season
  - **Select 2EC**
    - ≤6 oz/ appl.
    - ≤16 oz/ season
Broadleaf Weeds

- **Stinger, Others (Clopyralid)**
  - Postemergence
  - 1 application per crop
  - 2 to 6 If crop stage
  - 0.25 to 0.5 pt/A
  - May be tankmixed
  - Could compromise rotation~**Legumes**
Herbicide-Resistant Weed Management Systems

- **GMO’s**
  - LibertyLink®
  - Roundup Ready®

- **NonGMO’s**
  - Clearfield®
  - ExpressSun™
    - Sunflowers only
Herbicide Resistant Canola

- Only Clearfield Canola may be planted in the next season following Pursuit, Raptor, or Beyond at labeled rates.
Herbicide-Resistant Canola

- **Clearfield Seed**
- **Beyond herbicide**
  - Only for use in Clearfield Canola, Sunflower, or Wheat
  - Apply 4 oz Beyond/ A + surfactant + N fertilizer
  - Label recommends soil applied grass herbicide prior to Beyond
  - Early POST but before canola bloom
Herbicide-Resistant Canola
Roundup Ready

- Roundup Ready Seed
- Roundup and other glyphosate herbicides
  - Glyphosate only
  - Roundup Original MAX (4.5# a.e./gal.)
- Spring canola
  - Single application
    - 11 to 16 oz./A
  - Sequential
    - 11 + 11 oz/A
  - Emerge to 6 lf canola
Roundup Ready Canola

- **Winter Canola**
  - Single application
    - 16 to 22 oz/ A Fall
  - Sequential
    - 11 to 22 oz/ A Fall + 11 to 22 oz/ A Spr.
  - Emerge to bolting canola

- **Spring Canola**
  - Up to 44 oz preplant, planting, preemergence
  - Up to 22 oz POST

- **Winter Canola**
  - Up to 44 oz preplant, planting, preemergence
  - Up to 44 oz POST
Herbicide-Resistant Canola
LibertyLink®

- LibertyLink Seed
- Liberty herbicide
  - Glufosinate
  - 28 to 34 oz./A per application
  - Sequential 20 oz./A plus 20 oz./A
  - Do not exceed 68 oz./A per crop
  - 70 d plantback to wheat, barley, triticale
<table>
<thead>
<tr>
<th>Treatments</th>
<th>Rate</th>
<th>Timing</th>
<th>D. Brome</th>
<th>D. Brome</th>
<th>Prickly Lettuce</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>4/ 30/ 08</td>
<td>5/ 15/ 08</td>
<td>9/ 9/ 08</td>
</tr>
<tr>
<td>Ethafluralin</td>
<td>0.75</td>
<td>PREE</td>
<td>40</td>
<td>94</td>
<td>80</td>
</tr>
<tr>
<td>Glyphosate</td>
<td>0.78</td>
<td>SPPOST</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethafluralin</td>
<td>0.75</td>
<td>PREE</td>
<td>31</td>
<td>41</td>
<td>78</td>
</tr>
<tr>
<td>Clopyralid</td>
<td>0.094</td>
<td>SPPOST</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethafluralin</td>
<td>0.75</td>
<td>PREE</td>
<td>25</td>
<td>30</td>
<td>95</td>
</tr>
<tr>
<td>Clopyralid</td>
<td>0.188</td>
<td>SPPOST</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethafluralin</td>
<td>0.75</td>
<td>PREE</td>
<td>50</td>
<td>60</td>
<td>83</td>
</tr>
<tr>
<td>Clethodim</td>
<td>0.09</td>
<td>SPPOST</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethafluralin</td>
<td>0.75</td>
<td>PREE</td>
<td>56</td>
<td>51</td>
<td>73</td>
</tr>
<tr>
<td>Glyphosate</td>
<td>0.5</td>
<td>FPOST</td>
<td>84</td>
<td>93</td>
<td>86</td>
</tr>
<tr>
<td>Glyphosate</td>
<td>0.5</td>
<td>SPPOST</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glyphosate</td>
<td>0.78</td>
<td>SPPOST</td>
<td>94</td>
<td>94</td>
<td>95</td>
</tr>
<tr>
<td>Clopyralid</td>
<td>0.094</td>
<td>SPPOST</td>
<td></td>
<td></td>
<td>86</td>
</tr>
<tr>
<td>Clopyralid</td>
<td>0.188</td>
<td>SPPOST</td>
<td></td>
<td></td>
<td>95</td>
</tr>
<tr>
<td>Quizalofop</td>
<td>0.08</td>
<td>SPPOST</td>
<td>70</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clethodim</td>
<td>0.09</td>
<td>SPPOST</td>
<td>55</td>
<td></td>
<td>86</td>
</tr>
<tr>
<td>Sethoxydim</td>
<td>0.188</td>
<td>SPPOST</td>
<td>71</td>
<td></td>
<td>64</td>
</tr>
</tbody>
</table>
Feral rye control  February 19, 2010

Controlled feral rye in roundup ready winter canola from 2009 fallow
Controlled on right  Check strip not sprayed on left  Winter canola
North Douglas County  Seeded August 20, 2009
Second crop of feral rye in winter canola after 2009 fallow
Controlled skeletons nearby and in distance. Rye growth since Feb spray
North Douglas Co
Questions

Ian Burke
509-335-2858
icburke@wsu.edu

Extension Bulletins
PNW 0437
Herb. Res. Weeds & Their Mgmt.
PNW 0571
Plantback Restrictions...
PNW 0572

http://ext.wsu.edu/
http://www.uidaho.edu/extension/