WASHINGTON STATE UNIVERSITY

Variation in Phenology of Downy Brome Nevin C. Lawrence¹ and Ian C. Burke²



518-524

71: 60-93

653-663.

185-191

0

Mack RN, Pyke DA. 1983. The Demography of *Bromus tectorum*: Variation in Time and Space. J Ecol.

Meyer SE, Nelson DL, and Carlson. SL.

Vernalization Response in Bromus

tectorum L. (Poaceae). Ann Bot. 91:

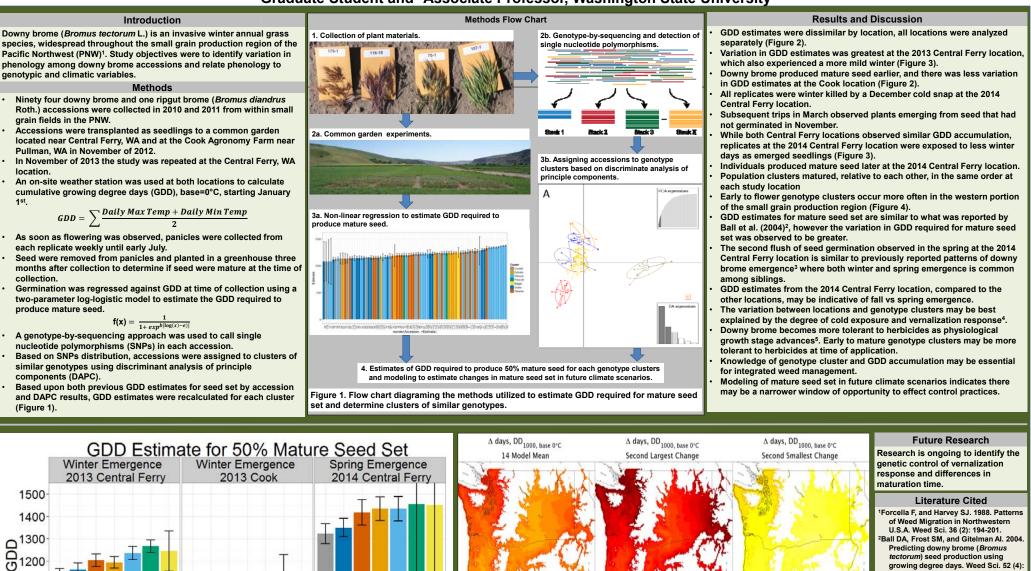
(Bromus tectorum) control in winter

wheat and winter rye. Can J Bot. 74:

2004. Ecological Genetics of

Blackshaw RE. 1993. Downy brome

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35

30

25

20

∆ days, RCP45, 2031-2060 versus 1950-2005

climate data covering both a contemporary climate from 1950-2005 and a mid-21st century climate

for representative concentration pathways 4.5 Wm⁻² and 8.5 Wm⁻². Across all models, mature seed

from 2031- 2060. Mid-21st century climate projections considered Global Climate Model simulations

set is expected to occur earlier with changing climate which likely will require earlier control inputs.

Figure 5. The calendar date when mature seed set occurred was calculated from downscaled

15

10

5

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Cluster Connell Ephrata Palouse Prescott Ripgut Snake Yakima

Figure 2. Estimates of GDD required to produce 50% mature seed for each genotype clusters. Missing bars indicate no surviving

1100

1000

900

ndividuals for cluster and year.