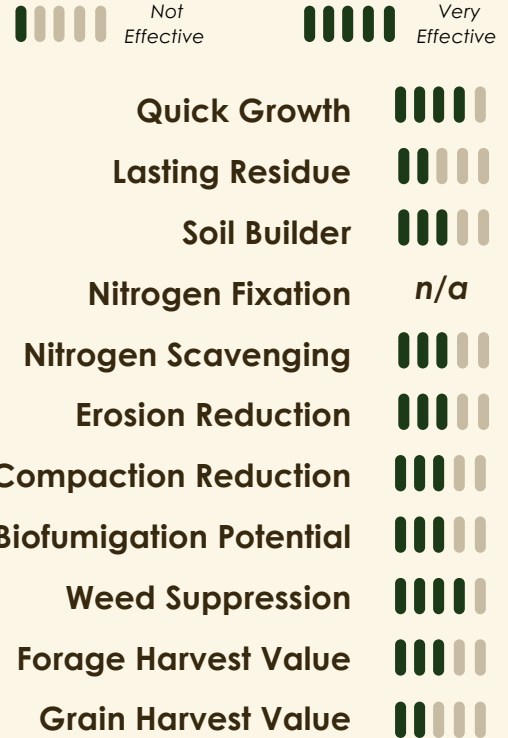


MUSTARD

BRASSICA SPP. - COOL SEASON ANNUAL NON-LEGUME BROADLEAF

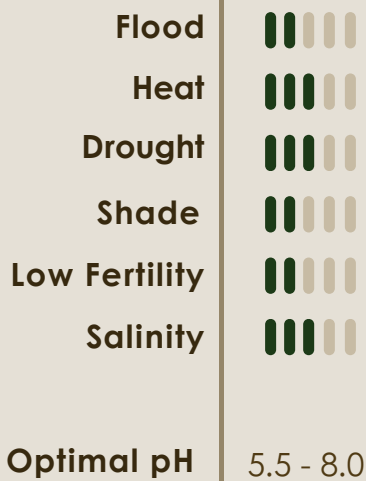


PRODUCTION GOALS



Mustard has an upright growth habit and medium depth taproot. Mustard is a blanket term for a number of brassica species such as white/yellow mustard and indian/brown mustard. Mustards are good weed suppressors and can act as a biofumigant.

TOLERANCES



SOIL DRAINAGE CLASS



AREA & ADAPTABILITY

Mustard is a suitable spring seeded annual for all regions of British Columbia. It is able to tolerate a wide range of conditions making it suitable for many field locations and soil types.

Winter Hardiness Zone - 7 - 9

Seeding Considerations

Rate Drilled	Rate Broadcast	Depth	Frost Seeding	Minimum Germination Temperature	Seeds #
4-15 lbs/ac (5-17 kg/ha)	5-18 lbs/ac (5-20 kg/ha)	0.25-0.5 in (0.5-1 cm)	No	4°C (40°F)	80,000 /lb (180,000 /kg)

Mustard is a small seed and should be seeded shallow in a firm seedbed for best establishment.


Management Considerations

Select a more drought tolerant mustard such as brown mustard in low precipitation environments. Bolting will occur quickly if the crop is seeded in hot weather.

Mustard needs some nitrogen to ensure good establishment.

If planted too late in the fall, use of mustard for biofumigation may be ineffective. Mustard should be incorporated into the soil when being used as a biofumigant, with high biomass increasing effectiveness.

Inter-seeding Potential 

Volunteer Establishment 

Nitrogen Concentration No data

Dry Matter Yield

1200 - 3000 lbs/acre

1334 - 3360 kg/ha

Termination

Mustards may be terminated through tillage, mowing or a chemical application.

References

- Elmy, K. 2020. Cover Cropping in Western Canada. Friesen Press.
- Midwest Cover Crop Council. (n.d.)
- Northeast Cover Crop Council. (n.d.)
- Sustainable Agriculture Research and Education (SARE). 2012. Managing Cover Crops Profitably: 3rd Ed. National Institute of Food and Agriculture, USDA, University of Maryland & University of Vermont.
- U.S. Department of Agriculture. (n.d.). Pacific Northwest Cover Crop Selection Tool.

Disclaimer

The information contained in this document is true and accurate to the best of our knowledge without guarantee or warranty of its correctness or completeness. The content is intended to be a general guideline, but the performance of the cover crop(s) may differ from what is described in the document depending on environment and farm operation and may vary between years. The Government of British Columbia and its directors, agents, employees, or contractors will not be liable for any claims, damages, or losses of any kind whatsoever arising out of the use of, or reliance upon, this information.

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