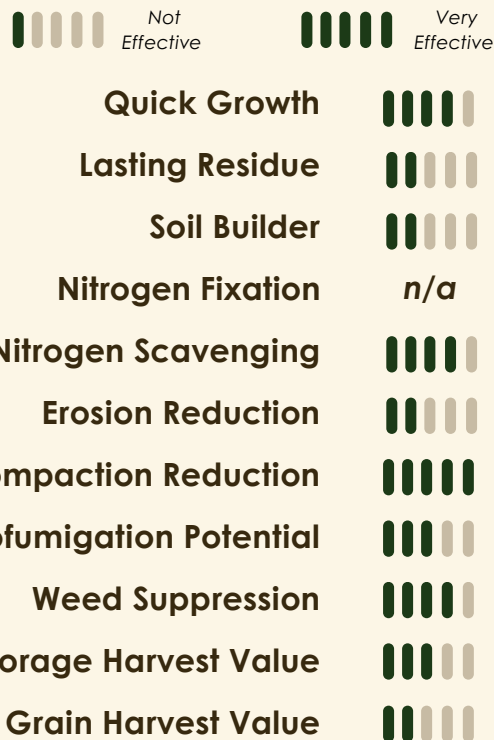


FORAGE RADISH

RAPHANUS SATIVUS L. - COOL SEASON ANNUAL NON-LEGUME BROADLEAF

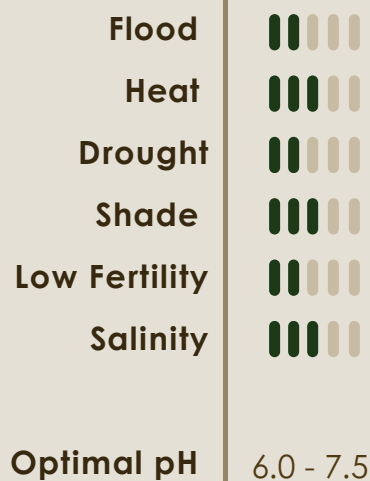


PRODUCTION GOALS

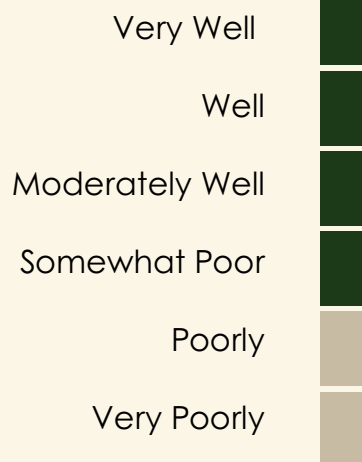


Forage radish also referred to as daikon or tillage radish, it has an upright growth habit. Its deep taproot is known for reducing compaction. Winterkilled plants decompose rapidly in the spring, releasing nitrogen quickly. Some brassica varieties have biofumigant uses as well.

TOLERANCES



SOIL DRAINAGE CLASS



AREA & ADAPTABILITY

Forage Radish is suitable in all regions of British Columbia. It has the potential to overwinter in areas with mild winter conditions.

Winter Hardiness Zone 6-9

Seeding Considerations

Rate Drilled lbs/acre (kg/ha)	Rate Broadcast lbs./acre (kg/ha)	Depth in (cm)	Frost Seeding	Minimum Germination Temp °C (°F)	Seeds #
8-13 lbs/ac (9-14 kg/ha)	10-20 lbs/ac (11-22 kg/ha)	0.25-0.75 in (0.5-2 cm)	No	7°C (45°F)	13,600 /lb (30,000 /kg)

Forage radish is best establishment is in a firm seedbed with shallow placement.
Seeding rates would be much lower when used in a blend.

Management Considerations

There are a wide range of forage brassica species available including radish, turnip, rape, kale and crosses between them. Forage brassicas have extremely high forage quality and moisture and if used for livestock feed must be grazed with a high level of management to ensure balanced ration (e.g. brassica stands should be treated as a supplement).

They are very effective in blends with cereals, annual grass and legumes. When seeded in a blend with other cover crops, it can commonly be seeded too heavy due to it's comparatively smaller seed size.

Inter-seeding Potential



Volunteer Establishment



Nitrogen Concentration

No data

Dry Matter Yield

4000 - 7000 lbs/acre
4480 - 7840 kg/ha

Termination

Forage Radish can be terminated through tillage, mowing or the application of a suitable herbicide.

References

- Elmy, K. 2020. Cover Cropping in Western Canada. Friesen Press.
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- 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.
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- Ethanstuckey. 2021. Photo: Tillage Radish. Wikimedia Commons.
https://en.m.wikipedia.org/wiki/File:A_cover_crop_of_Tillage_Radish_in_early_November.jpg

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.