



King's Soil Builder Plus

A mix of TriCal 815 Triticale, crimson clover, hairy vetch, MOI & KB Supreme Annual Ryegrass, and daikon radish. An excellent spring forage and/or overwintering cover crop. Can also be used for wildlife food plots. Clovers and vetch provide protein in a forage application, and triticale and ryegrass contribute effective fiber and bulk. This mix is ideal for a spring grazing or cutting when the triticale reaches flag leaf or boot stage.

As a cover crop mix, each species contributes a soil improvement function. Daikon radish will be the shortest-lived species. Its deep tap root grows quickly in the fall and scavenges nitrogen, holding it in its tissues. The large taproot also breaks through compacted layers of soil. As the radish winter-kills, its decomposing tissue gradually releases nutrients that were scavenged at deeper levels early in the fall with its rapidly growing tap root. These nutrients (especially nitrogen) may have otherwise been leached. As these nutrients are re-released by the decomposing radish, the slower growing over-wintering grass and legume species in the mix carry them forward to spring.

The combination of species anchors soil and provides weed suppression with its diverse canopy, also protecting soil from erosion over winter. The mixture of diverse over-wintering root structures also builds soil organic matter and feeds soil microbes, contributing to long-term soil health and fertility.

Grazing Application -

If late summer planted (late August or early September in Southeastern PA and to the south). It can be grazed in fall and early winter. In northern locations, earlier planting dates may be needed for this to be successful. The daikon radish leaves provide good grazing at this point, and will winterkill, while the rest of the species in the mix can over-winter and be grazed the following spring.

If planted in early spring, the winter triticale will typically not vernalize, and therefore will not form a viable head. If spring planted, this should also be ready to graze in about 65 to 70 days depending on growing conditions, though yield may not be as high with the crop getting fewer days of growth. This depends heavily on region.



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High Energy Forages and Soil Building Cover Crops

At A Glance

- A versatile winter annual cover crop or forage mix with soil health benefits.
- Can be grazed in fall or spring with timely planting.
- Can also be used as a wildlife food plot

Product Formula

67% Triticale
11% Crimson Clover
10% Hairy Vetch
10% Annual Ryegrass
2% Daikon Radish

Best Uses

Haylage, baleage, grazing, cover crop

Establishment

Seeding Rate: 120-140 lbs/A for forage; 60-90 lb/A for cover crop.

Seeding Depth: 1/2—3/4". Large box

Seeding Dates: Early fall (about 1 month before wheat planting dates) or early spring.



Forage/Cover Crop Tech Sheet



King's Soil Builder Plus

2014-2015 PSU Short-Lived Cover Crops Trial, Rock Springs, PA

Planted September 19, 2014 (120 lbs./Acre)

Mixes (single-cut)

	Harvest Date	Dm T/A Total	CP%	ADF%	NDF%	NDFD 30	RFV
King's Soil Builder Plus	5/13/2015	4.66	19.2	32.4	55.3	64.0	107.5

Cool Season Annual Mix



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