

# Nutrient Management

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*April 2023*

## **Yield Data for Crops in British Columbia**

The average crop yield for both the Interior and Coastal regions of British Columbia is shown in the table below. These numbers are used in the B.C. Nutrient Management Calculator and are classified by crop type. Yields for forages, cover crops, and grains & oilseeds crop types are given on a dry matter basis. Yields for field vegetable crop types are given on an as-harvested (wet) basis.

This table is intended to inform decisions by Nutrient Management Planners and agricultural consultants for planning and comparison purposes. Crop yields for individual fields may differ based on many factors and is not intended to replace individual yield records.

Data used in the B.C. Nutrient Management Calculator originates from both the B.C. Environmental Farm Plan Reference Guide and the Ontario Ministry of Agriculture, Food and Rural Affairs' Agricultural Planning Tools Suite (AgriSuite) system.

**Crop yields used by the Nutrient Management Calculator for the Interior and Coastal regions of British Columbia.**

<b>Crop</b>	<b>Crop Type</b>	<b>Interior</b>		<b>Coastal</b>	
		<i>tons/ acre</i>	<i>tonnes/ hectare</i>	<i>tons/ acre</i>	<i>tonnes/ hectare</i>
Alfalfa or legume dominant stand (1 cut)	Forage	2.5	5.6	2.5	5.6
Alfalfa or legume dominant stand (2 cuts)	Forage	4.0	9.0	4.0	9.0
Alfalfa or legume dominant stand (3 cuts)	Forage	5.0	11.2	5.0	11.2
Alfalfa or legume dominant stand (4 cuts)	Forage	7.0	15.7	7.0	15.7
Grass or mixed stand (1-2 cuts)	Forage	4.0	9.0	4.0	9.0
Grass or mixed stand (2-3 cuts)	Forage	4.5	10.1	4.5	10.1
Grass or mixed stand (4-5 cuts)	Forage	5.0	11.2	5.0	11.2
Grass or mixed stand (5-6 cuts)	Forage	6.0	13.5	6.0	13.5
Grass or mixed stand (7 cuts)	Forage	7.0	15.7	7.0	15.7
Corn silage	Forage	7.0	15.7	8.0	17.9
Pea, Austrian winter	Cover crops	1.0	2.2	1.7	3.8
Clover, Crimson	Cover crops	1.0	2.2	2.2	4.9
Clover, Red	Cover crops	1.0	2.2	1.7	3.8
Vetch, Hairy	Cover crops	1.0	2.2	2.2	4.9
Ryegrass, annual	Cover crops	1.0	2.2	2.2	4.9
Cereal (barley, oats, wheat, etc.)	Cover crops	1.0	2.2	2.0	4.5
Rye, fall	Cover crops	1.0	2.2	2.2	4.9
Asparagus-establishment year	Field vegetables	0.5	1.1	0.6	1.3
Asparagus-established plantings	Field vegetables	4.0	9.0	4.0	9.0
Beans-green, wax	Field vegetables	2.9	6.5	2.9	6.5
Beets	Field vegetables	9.9	22.2	11.4	25.6
Broccoli	Field vegetables	2.7	6.1	2.7	6.1

<b>Crop</b>	<b>Crop Type</b>	<b>Interior</b>		<b>Coastal</b>	
		<i>tons/ acre</i>	<i>tonnes/ hectare</i>	<i>tons/ acre</i>	<i>tonnes/ hectare</i>
Brussels Sprouts	Field vegetables	5.2	11.7	5.2	11.7
Cabbage-regular	Field vegetables	13.0	29.2	13.0	29.2
Cabbage-Chinese	Field vegetables	5.9	13.2	5.9	13.2
Carrot	Field vegetables	14.4	32.3	14.4	32.3
Cauliflower	Field vegetables	4.4	9.9	4.4	9.9
Celery-field	Field vegetables	26.7	59.9	26.7	59.9
Corn-sweetcorn	Field vegetables	6.7	15.0	7.3	16.4
Cucumber	Field vegetables	5.1	11.4	6.4	14.4
Garlic	Field vegetables	4.7	10.5	4.7	10.5
Hops (establishment year)	Field vegetables	0.1	0.2	0.1	0.2
Hops (established planting, vines removed)	Field vegetables	1.0	2.2	1.0	2.2
Lettuce-head (western iceberg)	Field vegetables	11.5	25.8	11.5	25.8
Lettuce-leaf and eastern iceberg	Field vegetables	15.0	33.7	12.1	27.1
Onions-dry	Field vegetables	15.6	35.0	15.6	35.0
Peas	Field vegetables	2.3	5.2	2.3	5.2
Pepper	Field vegetables	8.5	19.1	8.5	19.1
Potatoes-early	Field vegetables	15.0	33.7	15.0	33.7
Potatoes-midseason	Field vegetables	20.0	44.9	20.0	44.9
Potatoes-late	Field vegetables	25.0	56.1	25.0	56.1
Pumpkin	Field vegetables	15.1	33.9	15.1	33.9
Radish-muck	Field vegetables	6.6	14.8	6.6	14.8
Rhubarb-established plantings	Field vegetables	7.5	16.8	7.5	16.8
Rutabagas and turnip	Field vegetables	14.0	31.4	14.0	31.4
Spinach-mineral	Field vegetables	5.6	12.6	5.6	12.6

<b>Crop</b>	<b>Crop Type</b>	<b>Interior</b>		<b>Coastal</b>	
		<i>tons/ acre</i>	<i>tonnes/ hectare</i>	<i>tons/ acre</i>	<i>tonnes/ hectare</i>
Squash-pumpkins	Field vegetables	14.0	31.4	14.0	31.4
Squash-zucchini, other	Field vegetables	6.2	13.9	6.2	13.9
Tomatoes	Field vegetables	9.5	21.3	9.5	21.3
Wheat, spring <sup>1</sup>	Grains and oilseeds	1.2 (40)	2.7	1.2 (40)	2.7
Barley <sup>1</sup>	Grains and oilseeds	1.92 (80)	4.3	1.92 (80)	4.3
Oats <sup>1</sup>	Grains and oilseeds	1.6 (100)	3.6	1.6 (100)	3.6
Rye <sup>1</sup>	Grains and oilseeds	1.5 (55)	3.4	1.5 (55)	3.4
Canola <sup>1</sup>	Grains and oilseeds	0.88 (35)	2.0	0.88 (35)	2.0

<sup>1</sup>For each crop, the number enclosed in parentheses is the crop yield in bushels per acre (bu/ac).