

Farm Soil Analysis

Bill To:	The Black Dirt Company	Grower Name:	THE BLACK DIRT COMPANY	Lot ID:	1810510
Address:	300 Saskatchewan Ave Spruce Grove, AB., Canada	Site ID:		Report Number:	3131689
		Field Name:	2025 GARDEN MIX	Report Type:	Final Report
		Acres:		Date Received:	Apr 29, 2025
Agreement:	103185	Legal Location:		Date Reported:	May 01, 2025
		Previous Crop:	Crop not provided	Event Code:	

Nutrient analysis (ppm)														Soil Quality			
Depth	N*	P	K	S**	Ca	Mg	Fe	Cu	Zn	B	Mn	Cl	Na	pH	EC(dS/m)	OM(%)	Lot Ref #
0" - 6"	54	>80	939	84	2270	346	56.7	0.4	4.3	1.6	3.4	384	179	6.8	3.40	12.2	25803
Excess														Alkaline	Extreme	High	
Optimum														Neutral	Very High	Normal	
Marginal														Acidic	High	Low	
Deficient														Very Acidic	Good	Very Low	
Total lbs/acre	108	160	1877	168	Texture <i>Sandy Loam</i> Hand Texture <i>n/a</i>						BS 95.0 % CEC 17.4 meq/100 g						
					Sand 67.4 % Silt 25.0 % Clay 8.3 %						Ca 65.3 % Mg 16.4 % Na 4.5 % K 14.6 %						
Estimated lbs/acre	220	160	1877	342	Ammonium <i>n/a</i>						TEC 17.4 meq/100 g						
					Lime <i>n/a</i> Buffer pH <i>n/a</i> K/Mg Ratio 0.89												

*Nitrate-N **Sulfate-S n/a = not analysed

RECOMMENDATIONS FOR BALANCED CROP NUTRITION

Crop not provided					
Macro-nutrients	Yield	N	P ₂ O ₅	K ₂ O	S
Growing Condition		To be added (lbs/acre)			
Excellent					
Average					
Your Goal					
Removal Rate (Seed/Total)					
Micro-nutrients	Iron	Copper	Zinc	Boron	Manganese
To be added (lbs/ac)					

Comments:

Element uses nutrient extraction and analytical methods specifically developed for western Canadian soils.

The modified Kelowna extractant used to analyze key nutrients in this Farm Soil Analysis report is the standard method used in soil fertility research in western Canada. It is used in developing crop response curves to fertilizer in the prairies. The Element "RECOMMENDATIONS FOR BALANCED CROP NUTRITION" are based on those research data. Element recommendations are accurate but should not replace responsible judgement.