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Farm Soil Analysis

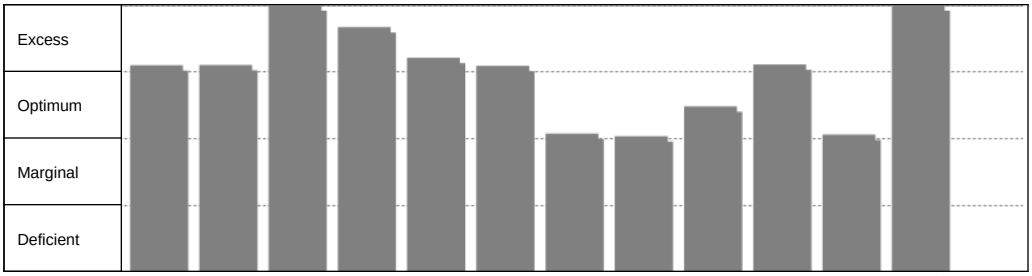
Bill To:	The Black Dirt Company	Grower Name:	THE BLACK DIRT COMPANY	Lot ID:	1810510
Address:		Site ID:		Report Number:	3131688
	300 Saskatchewan Ave	Field Name:	COMPOST	Report Type:	Final Report
	Spruce Grove, AB., Canada	Acres:		Date Received:	Apr 29, 2025
		Legal Location:		Date Reported:	May 01, 2025
Agreement:	103185	Previous Crop:	Crop not provided	Event Code:	

Nutrient analysis (ppm)

Depth	N*	P	K	S**	Ca	Mg	Fe	Cu	Zn	B	Mn	Cl	Na
0" - 6"	>80	>80	>1000	172	2920	596	85.5	1.0	10	4.2	5.0	1950	683

Soil Quality

pH	EC(dS/m)	OM(%)	Lot Ref #
7.5	14.7	20.3	25802



Alkaline	*Extreme*	*High*
Neutral	*Very High*	*Normal*
Acidic	*High*	*Low*
Very Acidic	*Good*	*Very Low*

Total lbs/acre	160	160	2000	343
Estimated lbs/acre	326	160	2000	699

Texture *Loam* Hand Texture *n/a*

Sand 51.4 % Silt 30 % Clay 19 %

Ammonium n/a

BS <95.9 % CEC >25.0 meq/100 g

Ca <58.3 % Mg <19.6 % Na <11.9 % K >10.7 %

TEC >25.0 meq/100 g

Lime n/a Buffer pH n/a K/Mg Ratio >0.55

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

RECOMMENDATIONS FOR BALANCED CROP NUTRITION

	Crop not provided				
Macro-nutrients	**Yield**	**N**	**P_2O_5**	**K_2O**	**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.