

GrowixTM

COMPOST

Act 36 Reg. No. B6170



Organic Matter



Mature Microbial Communities



Nutrients

BUILD SOIL HEALTH

Soil biodiversity for improved soil foodweb functioning.

Pathogen-load reduction.

Improve plant immune system.

PROVIDE PLANT NUTRIENTS

Comprehensive macro- and micro-nutrient profile.

Induce and maintain organic nutrient cycling.

IMPROVE SOIL STRUCTURE

Water and nutrient retention.

Aerated structure.

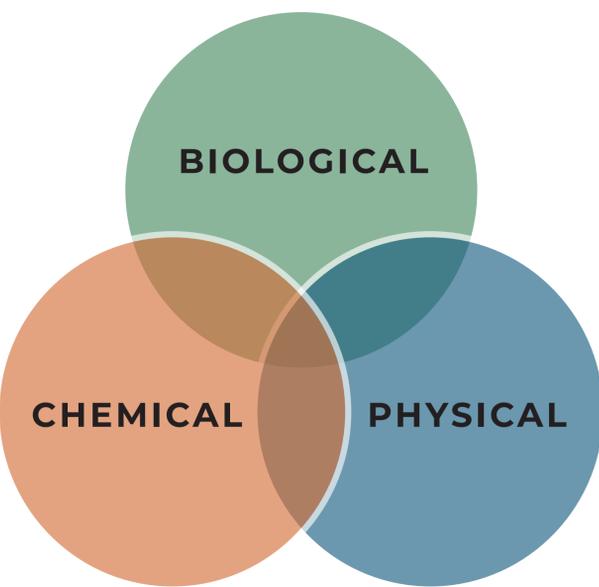
Improved absorption and adsorption capabilities.

BIOLOGICAL

Compost provides a large diversity of beneficial microbes which suppress soilborne pathogens through general competition (for food or space) or direct antagonism. Some of these beneficials can also induce systemic resistance in plants to disease (Aviles et al., 2011; Mehta et al., 2014; Partanen et al., 2010).

PHYSICAL

Compost promotes good soil structure and water holding capacity. Plant roots grow freely, and pest movement is obstructed. For example, root-knot nematodes prefer sandy and uniform soil textures, but struggle to move in soil with high compost presence (Marull et al., 1997).



CHEMICAL

Increased macro- and micronutrient availability boosts plant vitality and therefore increase resistance to pests and disease. The soil pH can also be altered to be unfavourable to pathogens. (Aviles et al., 2011)

SOIL NUTRIENT	NUTRIENT CONTENT OF GROWIX COMPOST (KG IN 1m ³ COMPOST)	
	VEGETABLE	TREE CROP
CARBON	103 kg	111 kg
N	5 kg	5 kg
P	2 kg	2 kg
K	5 kg	5 kg
Ca	17 kg	8 kg
Mg	2 kg	2 kg

HOW TO USE GROWIX

Apply as a mulch or in trenches.

Custom recipes available on request.

Stable and safe non-hazardous product.

REFERENCES

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- Partanen, P., Hultman, J., Paulin, L., Auvinen, P., & Romantschuk, M. (2010). Bacterial diversity at different stages of the composting process. *BMC Microbiology*, 10(1), 1-11. <https://doi.org/10.1186/1471-2180-10-94/TABLES/2>



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