

# SoilPlus BioMix

Pellet fertilizer made from treated sheep wool and composted chicken manure

The Natural Choice for Sustainable Farming



**Water  
Saving  
20%**

**100%  
Natural**

## Product Overview:

**SoilPlus BioMix 50/50**, proudly made in Lebanon, is a 100% natural, eco-friendly, dual-action fertilizer produced from a balanced mix of **sheep wool and composted chicken manure**.

- This innovative formulation combines the water retention benefits of sheep wool with the fertilizing power of composted poultry manure.
- With NPK 6-1.5-4 and high levels of organic matter (81.25%), humic acid, and carbon, SoilPlus BioMix improves soil fertility, increases microbial activity, and supports plant development.
- The wool content contributes to soil aeration and moderate water retention, while the chicken manure boosts nitrogen and phosphorus levels essential for plant growth.
- It provides sustainable nutrition for agriculture for up to 4–6 months and is 100% biodegradable, leaving no trace after a season.

# Sustainable source

- SoilPlus BioMix is a mechanically processed, sterilized, and safe natural fertilizer made from a balanced mix of Lebanese sheep wool and locally sourced chicken manure. It supports both shepherds and poultry farmers, contributing to the livelihood of rural communities in Lebanon.
- This dual-origin formula transforms agricultural waste into a high-efficiency natural fertilizer, reducing the burning or dumping of raw wool and managing poultry waste sustainably.
- By combining the water-saving and soil-conditioning properties of sheep wool with the high nutrient content of chicken manure, SoilPlus BioMix delivers a powerful solution for sustainable agriculture, soil health, and circular economy practices.

# Benefits for Farmers:

- **Water saving 18–20%** due to partial wool content.
- Rich in nitrogen and organic matter to support **strong crop growth and higher yields**.
- Improves soil biology with humic and fulvic acids.
- Helps **reduce the use of pesticides by up to 30%** due to healthier plant resistance.
- Reduces the need for synthetic fertilizers by up to 40%.
- Enhances soil structure through wool fibers: better root aeration and nutrient access.

# Applications:

- Ideal for Open Fields & Greenhouses: Vegetables, fruits, legumes, cereals, flowers, herbs, trees, and more.
- Also Suitable for Gardens & Home Plants.
- Compatible with conventional and natural farming systems.

# Characteristics:

Physical Aspect: Brown pellet with a characteristic organic smell

Moisture	3.67%
Organic Matter	81.25%
Carbon	47.24%
Nitrogen (N)	5.48%
Phosphorus (P <sub>2</sub> O <sub>5</sub> )	1.07%
Potassium (K <sub>2</sub> O)	3.6%
C/N Ratio	9:1
Humic Acid	14.64%
Fulvic Acid	3.7%
pH (1:5)	6.43
Electrical Conductivity (E.C.)	< 10 mS/cm

# Sustainability:

SoilPlus BioMix is mechanically processed and sterilized, and meets microbiological safety standards (free from harmful bacteria like E. coli or Salmonella). It is non-toxic, biodegradable, and supports circular agriculture by recycling waste wool and poultry manure.



# Usage Guidelines

with



## Instructions:

1. Evenly distribute SoilPlus BioMix pellets on the soil surface, then incorporate them into the soil at a depth of 10–15 cm using a hand trowel, digging fork, or rotavator. Alternatively, apply during plowing or with planting furrows for even mixing.
2. For vegetables, apply 3–5 days before sowing or transplanting. It is also acceptable to apply on the same day of planting.
3. For trees, avoid direct contact with the roots. Place the pellets in a circular pattern around the trunk at a distance of 30 to 50 cm, depending on tree size and age.
4. Water thoroughly after application to activate the nutrient release and enhance root absorption.

without



## Usage Quantities:

Fruit Trees: Apply 2–4 kg per tree, depending on the age and trunk diameter.

Use 2 kg for young trees, and up to 4 kg for mature trees.

### Vegetables:

- Legumes (beans, peas...), alfalfa: 100–130 kg/dunum or 100–130 g/m<sup>2</sup>. For each seedling: 50–60 g
- Cereals and general crops (barley, wheat, corn, sunflower, chickpeas, lentils, onions, garlic, potatoes): 130–170 kg/dunum or 130–170 g/m<sup>2</sup>. For each seedling: 60–70 g
- Leafy vegetables (lettuce, cabbage, spinach, mint, parsley, Swiss chard...): 150–200 kg/dunum or 150–200 g/m<sup>2</sup>. For each plant: 70–90 g
- Fruit vegetables (tomatoes, cucumbers, peppers, eggplants, watermelon, zucchini): 180–220 kg/dunum or 180–220 g/m<sup>2</sup>. For each seedling: 80–100 g

Flowers and Strawberries: 150–180 kg/dunum or 150–180 g/m<sup>2</sup>. Apply 50–70 g per plant.

Houseplants: Apply 40–50 g per 5 liters of pot volume.

Mix well into the topsoil and water generously.

Recommended quantities are averages based on the wool-manure balance. Actual rates may vary with soil, crop, and climate conditions.

For precise application, especially in large-scale farming, soil testing and expert consultation are advised.



## Safety:

**SoilPlus BioMix** is made from **composted chicken manure and sheep wool**, processed **mechanically and sterilized** for safe use.

Avoid contact with eyes and skin. Store in a dry place, away from children and pets.

In case of contact, rinse thoroughly with water.



## Ecological Information:

SoilPlus BioMix contributes to sustainable agriculture by upcycling sheep wool and composted chicken manure into a soil-enhancing input.

Its production supports circular economy principles, promotes water conservation, and encourages responsible land use all without leaving harmful residues in the environment.

## Transport Information:

Not classified as hazardous, ensuring safe handling during transportation.

## Storage:

Keep in a dry place away from direct sunlight.



## Join the SoilPlus Movement

- Choose SoilPlus for a sustainable, water-saving, and nutrient-rich farming solution.
- Help Lebanon grow and flourish with a locally made, environmentally conscious fertilizer.
- Contact us today to place your order and embrace the future of responsible agriculture



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