

# Part 3: Operating a Blending Facility

## Session 3.6 Storing Blended Fertilizers

# Types of formulations

Fertilizers come in **different formulations**, including:

- **Dry granular**
- **Liquid fertilizers** are extracts of soluble chemicals containing one or a combination of NPK e.g., UAN.
- **Liquid mineral fertilizers** are natural or manufactured fertilizers containing one or a combination of NPK e.g., quick-release liquified NPK blend.



# Maximum storing periods



Dry granular fertilizers  
>> indefinitely



Liquid mineral fertilizers  
>> up to ten years



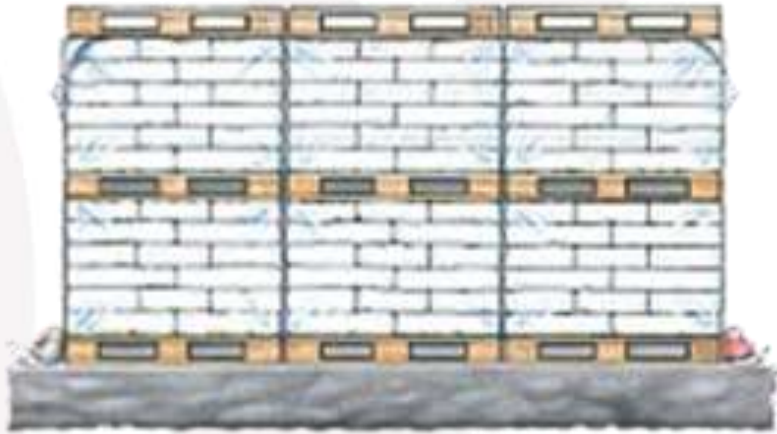
Liquid or organic fertilizers  
>> up to eight years







# A good storage example



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# A good storage example



# Storing different type of blends



Granular fertilizer in bags



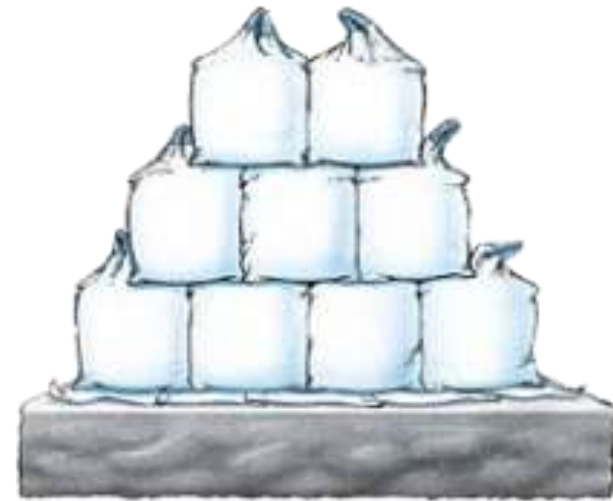
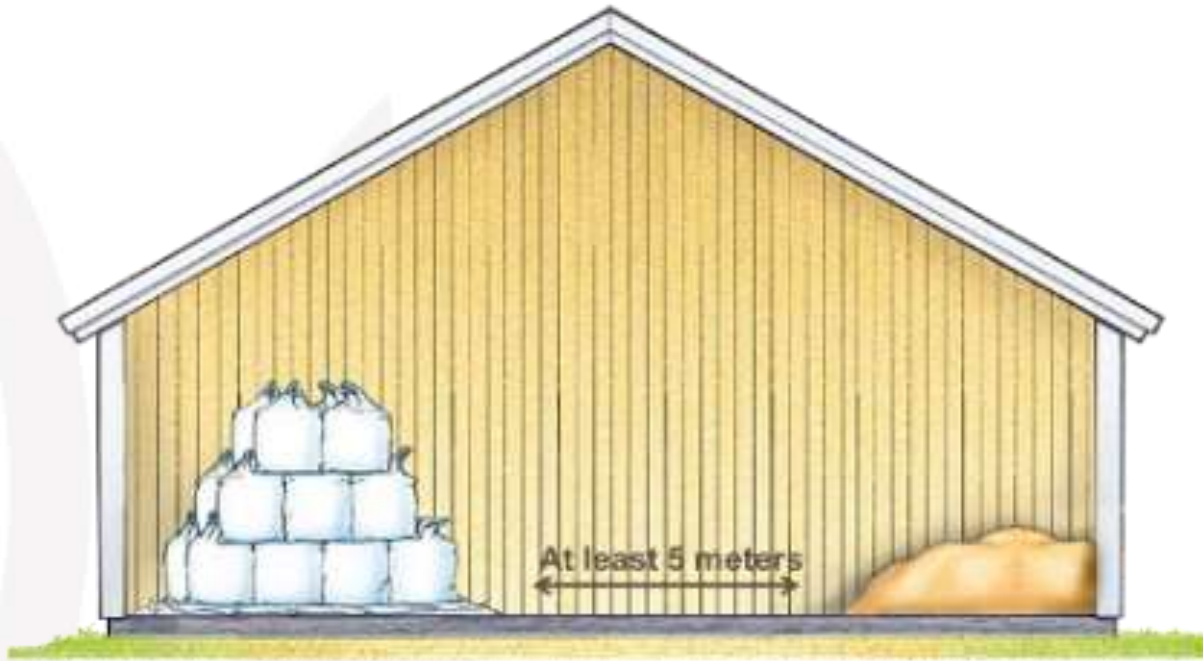
Granular fertilizer in bulk

# Storing different type of blends

- Store **dry products separately from liquids** to prevent wetting from a liquid spill.
- **Do not store products that react in any manner** side by side or close to each other.
- Ensure there is a **distance of at least 5 meters** between bulk and bagged materials.



# A good storage example



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# Additional advice

- Keep the fertilizer away from any **flammable material**
- Keep storage temperatures between **5° and 3**
- Store according to the "**first in, first out**" principle
- Blend only what is **required** when it is required.
- **Sample** blended products
- Develop **SOP** for storage and an **emergency response** plan



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