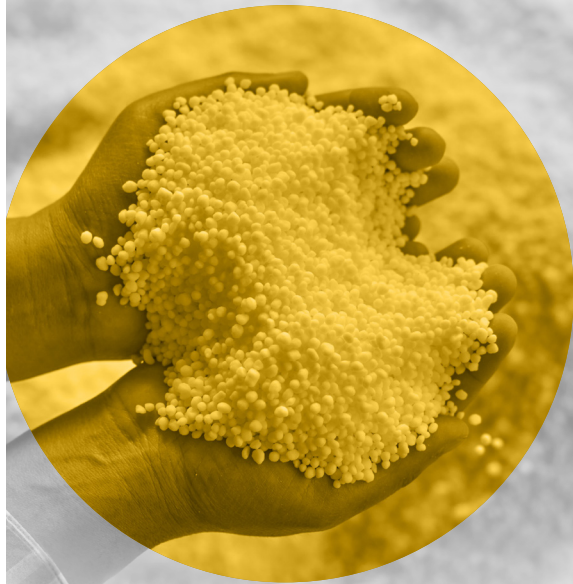




FERTILIZER CANADA
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Safety and Security: Calcium Ammonium Nitrate Storage



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CALCIUM AMMONIUM NITRATE:

Post-season storage of calcium ammonium nitrate (CAN) should be avoided if possible by matching the amount purchased with the amount needed on-farm. However, if leftover product must be stored, here are some important points to remember when storing CAN:

1. SEGREGATION FROM NON-COMPATIBLE PRODUCTS

Maintaining a clean storage area is key for safe storage. High levels of contamination with incompatible products can decrease the stability of the product. The storage area for CAN must be kept free from fuels (this includes storing near fuel powered vehicles) and combustible or other organic material, such as grease, sawdust, grains, seeds, etc.

Please consult your provincial Building, Electrical and Fire Codes for storage area construction requirements.

2. SITE SECURITY

It is recommended that basic security measures be taken for the CAN storage area. These measures could include:

- Securing unused product, including any CAN remaining in an applicator or other equipment.
- Securing access points with bolt cutter resistant locks, including all doors, windows and other points of access, as well as storage bin gates.
- Perimeter security (e.g. gated fencing) around bins and/or buildings. The recommended standard is a 2-meter chain link fence with lockable gates and 3-strand barb wire barricade atop.
- Monitored security system for all buildings storing CAN.
- After-hours security lighting for main points of access to buildings or bins. Lighting must be active from dusk to dawn and can be motion activated.

3. FIRE SUPPRESSION

Only water should be used for CAN fires. A fire suppression system containing sufficient amounts of water must be available near the area being used to store CAN. Chemical fire extinguishers, foam or attempts to smother a fire should not be used. Serious fire conditions should be left to your local fire department.

The local fire department must be made aware if you intend to store over 1000kg of CAN on your farm. Please consult your provincial Fire Code for more information on the requirements in your area.

4. RECORDS OF APPLICATION

It is a best practice to keep a paper trail including records of all CAN purchases, in-season usage and post season storage for two years.

5. REPORTING

Any sign of theft, attempted theft or tampering, and any loss that is not attributable to normal operations must be immediately reported to the local police force.

6. SMALL QUANTITIES

Smaller bags of CAN are a particular target for theft. Extra care needs to be taken to ensure access is controlled and inventory is reconciled on a frequent basis.

7. RE-SALE OF CALCIUM AMMONIUM NITRATE

Re-selling of CAN should be avoided.

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