

CALCIUM AMMONIUM NITRATE

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1. Product Description

Calcium ammonium nitrate (CAN) supplies nitrogen in two forms at once — roughly half as nitrate, which the crop can take up immediately, and half as ammonium, which becomes available more steadily — together with calcium. It is the nitrogen fertiliser to reach for when the crop needs nitrogen now, or when conditions would cost you nitrogen from urea. Supplied in bulk, bulka bags or bagged from 10 MT, delivered Australia-wide and shipped worldwide, with a Certificate of Analysis and Safety Data Sheet against the batch supplied. Calcium Ammonium Nitrate Specification Nitrate and ammonium nitrogen with calcium. The declared analysis and supply detail for Calcium Ammonium Nitrate are set out below. A Certificate of Analysis is issued on request against the batch you actually receive. Product name Calcium Ammonium Nitrate Product code CALCIUM-AMMONIUM-NITRATE Product family Calcium Ammonium Nitrate Declared analysis (N–P–K) 27–0–0 (nominal) Total nitrogen (N) 27% nominal — approximately half nitrate nitrogen and half ammonium nitrogen Calcium (Ca) approximately 8% nominal Nutrient supplied per tonne 270 kg N Analysis basis Nominal specification. The Certificate of Analysis issued for your delivered batch governs and should be relied on for contract purposes. Physical form Granular Water solubility Soil-applied granular product Packaging Bulk, one-tonne bulka bag or bagged — confirmed on your quotation Minimum order 10 – 25 MT, depending on the product and the destination — confirmed on your quotation Availability Australia-wide delivery; international shipping on request Certificate of Analysis Issued on request against your delivered batch Safety Data Sheet Available on request — request it before handling Where CAN Is Used Topdressing when the crop needs nitrogen now The nitrate half is plant-available from the moment it dissolves — no waiting on soil biology to convert it. Where a crop is visibly short and the season is moving, that matters. Conditions that would cost you urea Warm, damp surface, heavy stubble, alkaline soil, no rain forecast: all of these cause nitrogen loss from surface-applied urea. CAN is not exposed to that in the same way, so the nitrogen you spread is the nitrogen the crop gets. Horticulture and crops that want calcium Calcium matters for cell wall strength and shelf life, and shows up in the quality problems of tomatoes, apples, lettuce and brassicas when it is short. CAN supplies it alongside the nitrogen. Acidic soils CAN has a much smaller acidifying effect than ammonium sulphate or urea, so on ground where pH is already a concern it does not make the problem worse. Pasture through the growing season Quick response after grazing or a cut, with the calcium a useful extra on lighter country. Why Two Forms of Nitrogen Matter Nitrate nitrogen is taken up immediately and moves with soil water — fast, but it can also leach below the root zone in heavy rain. Ammonium nitrogen is held on soil particles and released more slowly as it converts to nitrate. A product carrying both gives you an immediate response and a continuing supply from the same application. That is the practical argument for CAN over a straight nitrate or a straight ammonium source, and it is why it is the standard topdressing nitrogen across much of Europe. Storage and handling. CAN is an ammonium-nitrate-based fertiliser. Keep it dry, keep it away from combustible material, fuel and heat, and store it separately from the shed's general clutter. Request the Safety Data Sheet before you take delivery — it sets out the hazard classification, storage separation and spill response, and anyone handling or storing the product needs access to it. Australian storage and reporting requirements for nitrate-based fertilisers vary by state; check what applies to you before ordering large quantities. CAN, Urea or Ammonium Sulphate? Product Speed of uptake Also supplies Effect on soil pH Choose it when CAN Immediate, then steady Calcium Close to neutral The crop needs nitrogen now, or urea would volatilise Urea 46-0-0 After conversion — Mildly acidifying Lowest cost per unit of N, and you can water it in Ammonium Sulphate Steady Sulphur Acidifying Sulphur is short too, or the soil is alkaline Packing and Quantities Calcium Ammonium Nitrate is supplied in bulk, in 1,000 kg and 500 kg bulka bags, and in 50 kg and 25 kg bags. Minimum order is 10–25 MT, depending on the product and the destination. Packing formats, 20ft container loading figures, and bagging and marking are set out in full on our Delivery & Freight page. Handling and Storage Store Calcium Ammonium Nitrate dry, off the ground and out of direct weather. Nitrogen and ammonium-based fertilisers draw moisture from the air and will cake if left exposed — full handling and storage guidance is on the Delivery & Freight page. Request the Safety Data Sheet before handling Calcium Ammonium Nitrate. Ask for it with your enquiry and we will supply it. The technical data sheet below is product specification only — it is not a Safety Data Sheet. Calcium Ammonium Nitrate — Common Questions What does CAN stand for? Calcium ammonium nitrate. It is sometimes called nitrolime or nitrochalk, and is made by combining ammonium nitrate with a

calcium carbonate source. Is CAN the same as ammonium nitrate? No. CAN contains ammonium nitrate together with a calcium carbonate component, which lowers the nitrogen concentration and changes how the product behaves in storage and in the soil. Why choose CAN over urea when urea is cheaper? Because nitrogen you lose to the air is not cheap. On a warm, damp surface with no rain coming, surface-applied urea can lose a meaningful share of its nitrogen; CAN does not lose it the same way. Where you can incorporate or water urea in, urea is usually the better buy. Does CAN raise soil pH? It is close to neutral in effect — far gentler than ammonium sulphate or urea. The calcium carbonate in it offsets the acidity of nitrification, which is why it suits soils where pH is already low. Are there special storage rules? It is an ammonium-nitrate-based product: store it dry, cool and away from fuels and combustible material, and keep the Safety Data Sheet where the people handling it can read it. Requirements vary by state — ask us and check with your state authority before storing large quantities. Calcium Ammonium Nitrate Data Sheet Technical Data Sheet — Calcium Ammonium Nitrate Letterheaded PDF: declared analysis, nutrient loading, packing formats, container loading and handling. View it in your browser or save a copy. View data sheet Download PDF A Certificate of Analysis for your delivered batch and the Safety Data Sheet are both available on request. The analysis in the data sheet is the nominal specification; where a Certificate of Analysis is issued for a batch, that certificate governs. Related Reading Urea Volatilisation: Why Surface-Applied Nitrogen Disappears Urea is the most concentrated solid nitrogen fertiliser available at 46% N, which makes it the... Ammonium Sulphate vs Urea: Which Nitrogen Source? Ammonium sulphate vs urea compared — nitrogen per tonne, sulphur, volatilisation risk... Fertiliser for Pasture and Hay in Australia Fertiliser for pasture and hay in Australia — why cutting hay strips far more potassium... Enquire About Calcium Ammonium Nitrate Minimum order 10–25 MT · delivered Australia-wide · shipped worldwide We do not sell online and take no payment through this website. Tell us the tonnage, the packing format and the delivery address, and we will send you a written quotation covering product and freight. Request a quote Call 0420 129 507 WhatsApp

2. Declared Analysis and Specification

Product name	Calcium Ammonium Nitrate
Product code	CALCIUM-AMMONIUM-NITRATE
Product family	Calcium Ammonium Nitrate
Declared analysis (N–P–K)	27–0–0
Total nitrogen (N)	27%
Phosphorus (as P ₂ O ₅)	0%
Potassium (as K ₂ O)	0%
Total nutrient content	27% (27 units)
Elemental phosphorus (P)	0%
Elemental potassium (K)	0%
Nutrient supplied per tonne	270 kg N · 0 kg P ₂ O ₅ · 0 kg K ₂ O
Physical form	Granular
Water solubility	Soil-applied granular product
Packaging	Bulk, one-tonne bulka bag or bagged — confirmed on your quotation
Minimum order	10 – 25 MT , depending on the product and the destination — confirmed on your quotation
Availability	Australia-wide delivery; international shipping on request
Certificate of Analysis	Issued on request against your delivered batch
Safety Data Sheet	Available on request — request it before handling

3. Nutrient Loading

One tonne of Calcium Ammonium Nitrate supplies **270 kg of nitrogen (N)**, **0 kg of phosphate (P₂O₅)** and **0 kg of potash (K₂O)**. Total nutrient content is 27 units per 100 kg.

Rate applied	N supplied	P2O5 supplied	K2O supplied
50 kg/ha	13.5 kg/ha	0 kg/ha	0 kg/ha
100 kg/ha	27 kg/ha	0 kg/ha	0 kg/ha
150 kg/ha	40.5 kg/ha	0 kg/ha	0 kg/ha
200 kg/ha	54 kg/ha	0 kg/ha	0 kg/ha
250 kg/ha	67.5 kg/ha	0 kg/ha	0 kg/ha

Indicative conversion only. Application rates must be set against a current soil test and confirmed with a qualified agronomist.

4. Typical Application

Vegetative growth and topdressing

This is a straight nitrogen product. It drives canopy and tiller development rather than root establishment or grain fill, so it belongs in the part of the season where leaf area is what limits yield — cereal topdressing, pasture, forage and leafy vegetables.

Nitrate and ammonium nitrogen with calcium.

5. Packing and Quantities

Format	Net weight	Typically used for
25 kg bag	25 kg	Small holdings, trial quantities, hand or small spreader application
50 kg bag	50 kg	Standard bagged supply for general farm and horticultural use
500 kg bulka bag (FIBC)	500 kg	Loader or telehandler handling where a full tonne is too much
1,000 kg bulka bag (FIBC)	1 tonne	The standard broadacre unit — one bag, one lift
Bulk	By the tonne	Tipped or augered into your bin or spreader; lowest cost per tonne

Minimum order is 10 - 25 MT depending on the product and the destination. Exact packing and tonnage are confirmed on your quotation.

6. Container Loading (20ft FCL)

Packing	Loading method	Units per 20ft	Net weight
25 kg bags	Floor loaded (loose stacked)	1,000 bags	25 MT
25 kg bags	Palletised, 40 bags per pallet, shrink-wrapped	20 pallets / 800 bags	20 MT
50 kg bags	Floor loaded (loose stacked)	500 bags	25 MT
50 kg bags	Palletised, 20 bags per pallet, shrink-wrapped	20 pallets / 400 bags	20 MT
500 kg bulka bags	Floor loaded, two tiers	40 – 50 bags	20 – 25 MT
1,000 kg bulka bags	Floor loaded, single tier	20 – 25 bags	20 – 25 MT
Bulk	Loaded into a container liner bag	—	25 – 27 MT

Fertiliser is a dense cargo: a 20ft container reaches its weight limit at roughly 25-27 tonnes while still only part full, so a 40ft box offers no usable gain. Shipping in 20ft containers is standard and is normally the cheaper freight per tonne.

7. Handling and Storage

Store dry, off the ground and out of direct weather. Nitrogen and ammonium-based fertilisers are hygroscopic: they draw moisture from the air and will cake or set hard if left exposed. Keep bags closed until use, rotate stock, and do not stack beyond the height the packaging is rated for. Avoid contamination with other chemicals.

Request the Safety Data Sheet for this product before it is handled. The SDS covers hazard classification, personal protective equipment, first aid and spill response, and it must be accessible to everyone who handles, transports or stores the product.

8. Supply and Documentation

Minimum order	10 - 25 MT, depending on product and destination
Delivery	Australia-wide - every state and territory
Export	International shipping worldwide, quoted per container
Certificate of Analysis	Issued on request against your delivered batch
Safety Data Sheet	Available on request
How to order	Enquiry and written quotation only - no online ordering or payment
Payment	Bank transfer only - EFT within Australia, T/T (telegraphic transfer) for export. Terms are stated on your quotation.
Bank details	Issued on our invoice only. We never change account details by email alone - verify by phone before transferring funds.
Enquiries	info@naturesfertilizerptyltd.com 0420 129 507

Disclaimer. The analysis stated in this data sheet is the nominal specification for this product. It is not a guarantee of the composition of any particular consignment. Where a Certificate of Analysis is issued for a delivered batch, that certificate governs and takes precedence over this document. This data sheet is technical product information and is not agronomic advice; fertiliser selection and application rates depend on soil type, moisture, crop, rotation and season, and should be confirmed with a qualified agronomist. This document is not a Safety Data Sheet.