

# HOMEMADE EXPLOSIVE (HME)/ BULK EXPLOSIVE (BE) RECOGNITION GUIDE



3rd Ed., January 2012

**ATTACK THE NETWORK • DEFEAT THE DEVICE • TRAIN THE FORCE**

# Home Made Explosives (HME) Recognition Guide

*HME related images within this Recognition Guide are representative of what's been found in the AF AOR.*

## Instructions for Recognition Guide Use:

- This RECOGNITION GUIDE contains images of HME / BE materials and manufacturing components and provides a list of common indicators (observables) that when found, indicate a high probability of HME / BE related activity.
- If any observables are present at a given location, persons associated with the area should be questioned and potentially detained.
- Refer to this material if something looks: suspicious, out of place, or out of character.
- Probability of HME production activity increases when one or more component and/or indicator is found at the same location.
- Urea (46 or 46-0-0) and DAP (18-46-0) fertilizers are authorized by GIRoA for farm use in AF.
- Ammonium Nitrate (AN) (34 or 34-0-0) and Calcium Ammonium Nitrate (CAN) (26 or 26-0-0) fertilizers are illegal in AF and can be confiscated.



## WARNING!!!!



*If potential HME, precursors, or materials are discovered, execute the following:*

1. Remove all personnel from the potential threat.
2. Emplace cordon and notify up; protocols should be followed when reporting HME finds, to include: location and geo-coords, estimated amount and type (if known), and assistance needed with find.
3. Call EOD Immediately!
  - DO NOT** attempt to render safe.
  - DO NOT** attempt to disrupt IED.
  - DO NOT** open any containers.
  - DO NOT** dispose of IED.
  - DO NOT** handle suspected HME/BE.
  - DO NOT** touch:
    - If it looks suspicious
    - If it looks out of place
    - If it looks out of character
    - If you don't know what it is or does!

**\* Handling of IED devices, components, and/or materials may contaminate forensic evidence.**

**\*\* Mishandling of IED devices, components and/or main charges may result in bodily harm or death.**

## Ammonium Nitrate (AN)– 34% Nitrogen

Calcium Ammonium Nitrate (CAN) 26% - 27% Nitrogen

Ammonium Nitrate is a strong oxidizer that can be detonated with a booster. It is usually mixed with a liquid fuel, powdered sugar, or aluminum powder to increase its sensitivity and explosive power.



AN Fertilizer - 25kg Bag



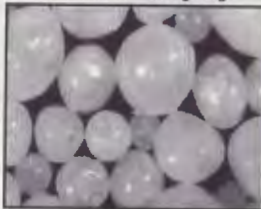
AN Fertilizer - 50Kg Bag



Found/Cleared Repackaged AN



AN Granules



AN Prills - Oily/Waxy



AN Prills Dry

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## AN & CAN

Ammonium Nitrate based HME is the Most Common Main Charge Used by Insurgents in the AF AOR

Per GIRA Law, AN and CAN Based Fertilizers are Illegal to Possess in Afghanistan

Indicators (Observables): ANY of the Following May be an Indication of HME / BE Production

AN: Appearance –White to Off White Prills / Crystals, Granules; Waxy/Oily, Dry

AN: Packaging - White, Green, or Brown Plastic Sacks with Black, Green, or Green and Blue printing. Look for 34, 34% or 34-0-0

AN: Typically 34% Nitrogen, Rarely Used by Farmers, Never More Than 34.5% Nitrogen, Not 46% Nitrogen

AN: Additives (Enhancers) - Aluminum Powder, Fuel Oils, Sugar, Starches (e.g. Wheat or Corn Meal Powders)

AN: Odor - Strong Acidic / Caustic Odors – Smells Like Ammonia

ANFO: Fuel Oils - Motor Oil, Diesel Fuel, Heavy Oils, Kerosene, etc.

ANFO: Appearance - Off White to Pinkish to Reddish Colored / Granules or Prills, Colors Influenced by Additives

ANFO: Odor - Fuel-Like (e.g. Kerosene, Diesel, Heating Oil, etc.)

ANFO: Fuel Stains on Sacks / Bags

Bricks / Rocks / Munitions: Used to Crush / Grind Fertilizer Prills into Powder (May Have Fertilizer Residue on Them)

Grinder: Industrial or Hand Grinders Used to Crush Prills into Powder

HME Production TTPs:

AN + Aluminum Powder (AN-AL) is the Predominant HME Found in Main Charges in the AF AOR

AN Fertilizer or AN Based HME is Often Repackaged in Flour Sacks, Sugar Sacks, Sona Brand Urea Fertilizer Sacks

HME / BE Production is Likely to Occur in Abandoned or Isolated Compounds or Structures (e.g. Grape Huts)

AN Grinding May Take Place Anywhere (e.g. Agricultural Fields, Rural Roads, Junk Yards, Occupied Compounds)

HME May Be Ground Out of the Backs of Vehicles

Use of Grinders, Rocks/Bricks/Munitions, Heavy Cylinders to Crush AN Into Powder in Order to Increase Surface Areas

There is NO Reason to Grind or Cook Any Fertilizers, Discovery of These Processes Indicates HME Production.

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# Ammonium Nitrate & Aluminum (AN-AL) – 34% Nitrogen

Precursors & Explosive Material

AN-AL is the Most Common Type of HME Found Through Out RC-S & RC-SW.



Aluminum Powder (AL)



Aluminum Powder (AL)



AN-AL



AN-AL in Igloo Type Cooler



AN-AL Spill on Ground



AN-AL in Yellow Palm Oil Container

# Ammonium Nitrate & Aluminum (AN-AL) – 34% Nitrogen

Ammonium Nitrate based HME is the Most Common Main Charge Used by Insurgents in the AF AOR



AN-AL in Pressure Cooker



Aluminum Powder (AL)

**Indicators (Observables): ANY of the Following May be an Indication of HME / BE Production**

Aluminum: Packaging - 5 gallon Unmarked Buckets with Handle, Commercial Aluminized Paint or AL Powder Packaging

Aluminum: Bag / Jar / Jug Containing Odorless Gray / Silver Colored Powder, Empty Paint Cans with Aluminum Powder Residue

AN-AL: Hands, Containers Covered with Gray / Silver Color Flakes or Dust (Aluminum Powder)

AN-AL: Containers - Plastic Jugs / Containers with or without Aluminum Paint Residue (Silver)

AN: Appearance - Gray or Silvery Colored / Crushed (Powdery) Crystals with Flecks

AN: Odor - Odorless to Slight Ammonia

AN Package Labeling: 34 - 0 - 0; 34% Nitrogen

**HME Production TTPs:**

AN + Aluminum Powder (AN-AL) is the Predominant HME Found in Main Charges in the AF AOR

AN Fertilizer or AN Based HME is Often Repackaged in Flour Sacks, Sugar Sacks, Sona Brand Urea Fertilizer Sacks

HME / BE Production is Likely to Occur in Abandoned or Isolated Compounds or Structures (e.g. Grape Huts)

HME May Be Ground Out of the Backs of Vehicles

Use of Grinders, Rocks/Bricks/Munitions, Heavy Cylinders to Crush AN Into Powder in Order to Increase Surface Areas

**There is NO Reason to Grind or Cook Any Fertilizers, Discovery of These Processes Indicates HME Production.**

# Calcium Ammonium Nitrate (CAN) – 26% - 27% Nitrogen

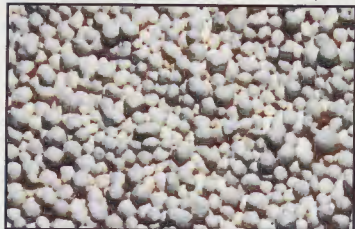
## Precursors & Explosive Material



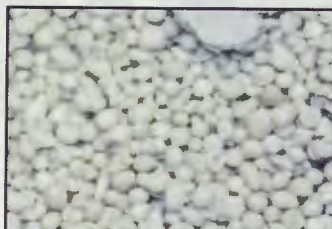
CAN Fertilizer, PAKARAB (Fatima)



CAN Granular Fertilizer, Fatima



CAN Prills



CAN Prills



Grinder - used to crush AN and CAN

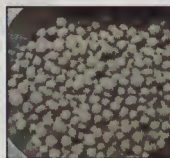
**There is NO Reason to Grind or Cook Any Fertilizers, Discovery of These Processes Indicates HME Production.**

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# Calcium Ammonium Nitrate (CAN) – 26% - 27% Nitrogen



Can Prills



Can Prills

**AN/CAN: Per GiRoA Law, Ammonium Nitrate Based Fertilizers are Illegal to Possess in Afghanistan**

**Indicators (Observables): ANY of the Following May be an Indication of HME / BE Production**

Appearance: Prills Range in Color from Off White to Brown, Roughly Pea Size or Smaller

Bricks/Rocks/Munitions: Used to Crush / Grind Fertilizer Prills into Powder (May Have Fertilizer Residue on Them)

Grinder: Industrial or Hand Grinders Used to Crush Prills into Powder

Odor: Odorless to Slight Ammonia

CAN Package Labeling: 26/27 – 0–0; 26/27% Nitrogen

Packaging: Brown Plastic Sacks with Green and Red Printing, Green Circle with Arabic Writing is Predominant in AF AOR

AN: Packaging - White, Green, or Brown Plastic Sacks with Black, Green, or Green and Blue printing. Look for 34, 34% or 34-0-0

**HME Production TTPs:**

AN Fertilizer or AN Based HME is Often Repackaged in Sugar Sacks, Flour Sacks, Sona Brand Urea Fertilizer Sacks, etc.

CAN Separation is Done Two Ways: 1) Boiled or "Cooked" in Water to Separate Calcium from AN Fertilizer, Cooking May Create Ammonia Gas Plume and Strong Ammonia Odor; 2) Grinders, Rocks/Bricks/Munitions, Heavy Cylinders to Crush CAN Into Powder

AN Separated by Cooking is Dried on Tarps (Colored Plastic, Clear Plastic, Cloth –Sizes Vary) Drying Usually Occurs Outside

HME / BE Production is Likely to Occur in Abandoned or Isolated Compounds or Structures (e.g. Grape Huts)

Wire Mesh or Sifters Used to Separate Larger Chunks

Soil Discoloration is Result of Effluence (Residual Water and Calcium from Cooking Process) Being Dumped on Ground

**There is NO Reason to Grind or Cook Any Fertilizers, Discovery of These Processes Indicates HME Production.**

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# Diammonium Phosphate (DAP) – 18% Nitrogen

*DAP is Legal to Use As Fertilizer in Afghanistan*

DAP Fertilizer – 50Kg Bag



DAP Fertilizer – 50Kg Bag

DAP Fertilizer – 50Kg Bag



DAP Fertilizer – 50Kg Bag  
(Nitrogen content 18%,  
Phosphate content 46% -  
this is NOT Urea)

*It is a Known Insurgent TTP to Conceal Illegal Fertilizers in Legal Fertilizer Bags. For Example, Placing Calcium Ammonium Nitrate (CAN) Fertilizer in a Diammonium Phosphate (DAP) Fertilizer Bag.*

**Don't Judge a Bag by it's Label**

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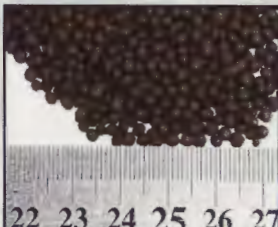
## Diammonium Phosphate (DAP) – 18% Nitrogen



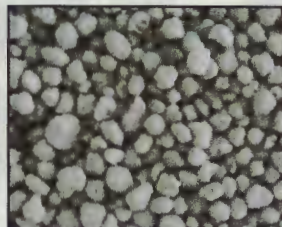
DAP Fertilizer – 50Kg Bag



DAP Fertilizer



DAP Fertilizer



DAP Fertilizer

**Diammonium Phosphate (DAP) Fertilizer is LEGAL for Use in Afghanistan**

**Indicators (Observables): NOT Used in IEDs**

Appearance: Gray to Brown / Black Prills, Pink Prills

DAP: Approved for Use in AFG, Used to Compensate Farmers for Confiscated Ammonium Nitrate

Odor: Slight Ammonia Odor When Confined

Package Labeling: 18 -46 -0, 18% Nitrogen

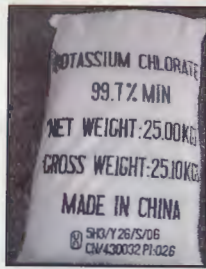
Packaging: Plastic Pink Sacks with Purple, Green, and Red Printing, or Brown Sacks with Black Printing, or White Sacks with Black Printing, or Brown Sack with Blue and Red Printing

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## Potassium Chlorate (PC)

*Precursors & Explosive Material*

*PC is predominantly found in RC-E, but is Migrating to Other RC's*



PC 25Kg Bag



PC 50Kg Bag



Potassium Chlorate 50Kg Bag



10 Potassium Chlorate



Potassium Chlorate



Potassium Chlorate

## Potassium Chlorate (PC)



Potassium Chlorate Mixed with Saw Dust

*PC Based HME is Predominately Found in RC-E, However it is Migrating to Other RC's*



Potassium Chlorate & Aluminum  
Aluminum not typically found with PC.

**Indicators (Observables): ANY of the Following May be an Indication of HME / BE Production**

Additives: Aluminum Powder, Fuel Oil, Sawdust, Sugar, Starches (e.g. Wheat or Corn Meal Powder)

Appearance: Powder or Crystals (Color Influenced by Additive)

Odor: Odorless but May be Influenced or Masked by Additive

Packaging: White Sacks with Potassium Chlorate Printed on them

Packaging: Large Quantities - 55 Gallon Drums, May be Silver in Color, Sealed Plastic Bags

**HME Production TTPs:**

PC + Sugar is the Second Most Used HME Found in Main Charges in the AF AOR

PC HME Can be Repackaged in Other Containers for Concealment and Deception

HME / BE Production is Likely to Occur in Abandoned or Isolated Compounds or Structures (e.g. Grape Huts)

Use of Grinders, Rocks/Bricks/Munitions, Heavy Cylinders to Crush PC Into Powder in Order to Increase Surface Areas



## Urea – 46% Nitrogen

Urea Fertilizer and Urea Nitrate are NOT the Same. DO NOT Intermix the Terms. Urea Fertilizer is a Legal Product and Urea Nitrate is an Explosive

Urea Fertilizer is Legal for Farm Use in Afghanistan



Urea Fertilizer (Mfr - Sona)– 50Kg Bags



Urea Fertilizer – 50Kg Bag



Urea Fertilizer – 50Kg Bag



Urea Fertilizer (Mfr - Fatima) - 50Kg Bags



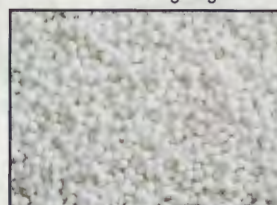
12 Granulated Urea Fertilizer



Urea Fertilizer



Urea Fertilizer



Urea Fertilizer (Mfr - Fatima)

## Urea Nitrate (UN)

Urea Fertilizer and Nitric Acid are Precursors to Make the Explosive Urea Nitrate



Nitric Acid Jugs (20 liter)



Nitric Acid Stain on Skin



Urea Nitrate (UN) Weaponized in Pressure Cooker

Urea Nitrate Explosive is Created by processing Urea Fertilizer with Nitric Acid

Indicators (Observables): ANY of the Following May be an Indication of HME / BE Production

Appearance: Prills, Granules, Crystals, Oily/Waxy or Dry, Color Influenced by Additives

Aluminum Powder Bags Hidden within Repackaged Urea Fertilizer Bags: Bags May Contain Ammonium Nitrate

Fertilizers in Excess of 300kg for a Single Farmer Should be Investigated, Legal to Use by Farmers

Fertilizers/Precursors Sold in Bazaars / Markets, Fertilizers and Precursors Found at the Same Site

Package Labeling: 46 – 0 – 0, 46% Nitrogen

Packaging: Brown Sacks with “46”, Blue or White Sacks with “Nitrogen 46” or “46” Printed in Green or Red w/ English & Arabic

Cooking Pots and Heat Sources, Straining Platforms, Tarps (or The Like)

Nitric Acid: Black Plastic Jugs (20L) with Red Caps, Nitric Acid will Stain the Skin Yellowish Brown



## HME Production Factory



Precursors in Bulk



Probable HME Factory



Probable HME Factory



Grinder - Used to Crush AN and CAN



Chemical Mixing Pool

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## HME / IED Production Factory

*IED Factories are Typically Found to be Disorganized and Sloppy*



Wood Scraps for Pressure Plates



Main Charges - Yellow Palm Oil Containers (YPOC)



Unidentified HME



Tools Used to Build Pressure Plates



Empty Fertilizer Bags and YPOCs

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## HME / IED Production Factory



Unidentified HME (Possible AN+Sugar or Potassium Chlorate)



Primed AN-AL Filled YPOC, and Low Metallic Signature Pressure Plates



Unidentified HME (Possible AN-AL)



Primed AN-AL Filled YPOC, Aluminum Powder, Fertilizer Bags

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## HME / IED Production Factory

DAP & Urea Fertilizer are LEGAL for Farm Use in Afghanistan

Indicators (Observables): ANY of the Following May be an Indication of an HME Factory

Hidden and / or Concealed Fertilizers, Precursors, or Other IED Materials or Components

Large Quantities of Fertilizers and Precursors

Quantities of Explosive Fuels –Fuel Oils, Aluminum Powder, Sugar, Starches, Saw Dust, etc., that are out of character for the site\*

Ammonia or Urine-Like, Fuel-Like, Fruity Odors in Air

Chemical Filtrate Pool: Dug into Ground, Plastic Lined, Caustic Odors

Chemicals like Ammonium Nitrate, Nitric Acid (Nitric Acid has a Very Strong, Unique Odor That Can be Smelled at Low Concentrations; also Leaves Deep Yellow Stains on Skin and Clothing)

Chemical Spills or Residues on Ground, Discoloration of Soil

Heat Source: Propane Stove / Burners, Wood Fueled Fire, Supply of Fire Wood

Large Mixing Bowls, Metal or Plastic Barrels / Drums –May Contain Residue

Propane Tanks, Propane Burners, and Large Pots

Tarps: Blue, Brown, White, Clear Plastic, (Plastic or Cloth) –Used to Dry or Strain HME / BE

Tools to Refine HME/BE: Portable Electric Grinders, Heavy Cylinders, Rocks, Bricks, Sifters, Strainers, Wire Mesh, Funnels

Unidentified Substance on Tarps Left Out in Open, on Roof Tops, Grape Huts, or Indoors

Wooden Spoons, Paddles, Wood (e.g. 2x4) for Stirring Mixtures –May Contain Residue

Yellowish Stains on Hands, Fingers from Nitric Acid

There is NO Legitimate Reason to Grind / Crush, Cook, Dry, or Process Fertilizers

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## HME Main Charge Containers - Plastic

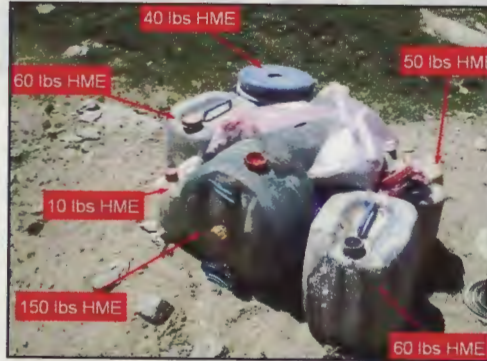
*Plastic Containers That Are Commonly Used as Main Charges*



Plastic Buckets



Green Buckets



Various Plastic Containers



Yellow Palm Oil Containers (YPOC)



Yellow Palm Oil Container (YPOC)

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## HME Main Charge Containers - Metal

*Metal Containers That Are Commonly Used as Main Charges*



Modified Munitions (DFFC)



Pressure Cooker



Cooking Pots



Paint Can



Ammo Can



Pressure Cookers

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## HME Main Charge Containers



Water Cooler



Improvised Containers (Claymores)



Plastic 5 Gal. Bucket

### Indicators (Observables): ANY of the Following Materials May be Used in IEDs

Barrels & Drums: Plastic & Metal - Yellow, Blue, Black, etc.

Buckets: Plastic - Black, Red, Green, Yellow, etc., Det Cord Loop or Wires May be Protruding from Container

Coolers: Plastic (e.g. Igloo Water Cooler) - Blue, Red, Orange, Wrapped or Taped Closed, May be Working Cooler

Glass: Mason Jars, Bottles - Clear, Sizes May Vary, Det Cord or Wires Protruding Out

Improvised: Plastic or Metal - To Make Improvised Claymores and Shape Charges, Sealed in Packing Tape

Jerry Cans: Plastic & Metal - Red, Green, Tan, Clear, etc.

Jugs: 5 -20 liters, Plastic Yellow Palm Oil (YPOC), Blue, Black, etc., Det Cord or Wires May be Protruding from Container

Plastic Wrap or Plastic Tape Used to Seal and Protect Main Charge: Clear, Yellow, Brown, Tan etc.

Upperware Like Containers: Green, Blue, Red - Resealable Lids, Usually Wrapped in Plastic Protectant, Sealed with Packing Tape

### HME Production TTPs:

Insurgents May Collect Containers, Containers that Look Out of Place or Out of Character May be an Indication that HME or IED Production is Taking Place

Insurgents Will Use **ANY** Container Available for Main Charge Housing

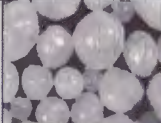
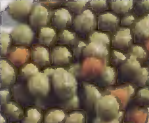
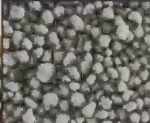


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### HME COMPARISON CHART - MATERIALS OF INTEREST

	Ammonium Nitrate	Calcium Ammonium Nitrate	Diammonium Phosphate	Potassium Chlorate	Urea
Commercial Use	Fertilizer	Fertilizer	Fertilizer	Match Heads, Pyrotechnics	Fertilizer
Abbrev.	AN	CAN	DAP	PC	N/A
Fertilizer NPK Label (Nitrogen-Phosphate-Potassium)	34-0-0 or 35-0-0	26-0-0 or 27-0-0	18-46-0	Not Applicable (N/A)	46-0-0
Chemical Formula	NH <sub>4</sub> NO <sub>3</sub>	NH <sub>4</sub> NO <sub>3</sub> + CaCO <sub>3</sub>	(NH <sub>4</sub> ) <sub>2</sub> HPO <sub>4</sub>	KClO <sub>3</sub>	(NH) <sub>2</sub> CO
Associated with Explosives	Yes - AN + Fuel	Yes - AN + Fuel	No	Yes - PC + Fuel	Yes - Urea Nitrate (UN)
Characteristics:					
Size	1-3mm	2-4mm	2-4mm	<1mm	1-3mm
Shape	Round Pellets (Prills)	Round Pellets (Prills)	Round Pellets (Prills)	Crystal Like or Powder	Round Pellets (Prills) or Crystal Like
Color	More Ivory but can be Off-White to Light Brown, Color Influenced by Additives	Light Gray to Light Brown, Tan, Color Influenced by Additives	Gray, Light Brown to Dark Brown	Colorless to White, Color Influenced by Additives	White to Off White, Color Influenced by Additives
Appearance	Granules or Prills, Dry or Wax/Oil Coated	Granules or Prills, Dry	Granules or Pellets, Dry	Powder (Talc or Chalk Like)	Granules, Prills, Flakes, Pellets, or Crystals, Dry or Oily



	Ammonium Nitrate	Calcium Ammonium Nitrate	Diammonium Phosphate	Potassium Chlorate	Urea
Odor	Odorless to Slight Ammonia	Odorless to Slight Ammonia	Odorless to Slight Ammonia When Confined	Odorless	Odorless to Acidic
Packaging	10-50kg Sacks: White, Green, or Brown Plastic with Black, Green, or Green and Blue printing. Common Brand: Pak-Arab, Fatima	Typically 50kg Sacks: Light Brown with Green and/or Blue Printing, Light Green with Green and Blue Printing. Common Brand: Pak-Arab, Fatima	Typically 50kg Sacks: Pink with Purple, Green and Red Printing; Brown with Black Printing; White with Black Printing; Brown with Blue and Red Printing. Common Brand: UAC	Typically 25kg or 50kg Sacks: White with Black Printing, Clear Plastic with Blue and Red Printing; 55Gal Metal Drums (Green)	Typically 50kg Sacks: Light Brown with Black/Blue and Red Printing; White with Green or Red Printing; Light Blue with Dark Blue Printing. Common Brand: SONA
					
Fuels - Required to Make Explosives (Not All Inclusive):	Fuel Oils (Oils, Diesel Fuel, Kerosene), Aluminum Powder, Sugars, Saw Dust	Fuel Oils (Oils, Diesel Fuel, Kerosene), Aluminum Powder, Sugars, Saw Dust	N/A	Sulfur, Phosphorus, Kerosene, Paraffin Wax, Sawdust, Sugars, Starches (Wheat or Corn Meal Powder), Petroleum Jelly	Aluminum Powder, TATP, Fuel Oils (Oils, Diesel Fuel, Kerosene). Urea Fertilizer is NOT Explosive. Urea Must be Processed with Nitric Acid to Make the Explosive Urea Nitrate.

	Ammonium Nitrate	Calcium Ammonium Nitrate	Diammonium Phosphate	Potassium Chlorate	Urea
Visual Observables:	Presence of: Precursors, Fertilizer Bags, Grinding Devices (Machines, Bricks, Rocks, Munitions), Mesh Screen, Spills or Residues on Ground	Presence of: Precursors, Fertilizer Bags, Water, Grinding Devices (Machines, Bricks, Rocks, Munitions), Large Pots/Mixing Bowls/ Containers, Stirring/ Mixing Devices, Heat Source for Cooking, Filtration Apparatus, Drying Surfaces (Tarps), Mesh Screen, Spills or Residues on Ground	N/A	Presence of: Precursors, PC Packaging, Grinding Devices (Machines, Bricks, Rocks, Munitions), Large Pots/ Mixing Bowls/Containers, Mesh Screen	Presence of: Nitric Acid, Precursors, Fertilizer Bags, Water, Grinding Devices (Machines, Bricks, Rocks, Munitions), Cooking Pots/Mixing Bowls/Containers & Stirring Devices (Wood Paddles), Protective Equipment (Gloves, Boots, Masks), Heat Source for Cooking, Filtration Apparatus, Drying Surfaces (Tarps), Spills on Ground
					

## Points to Remember

**Potassium Chlorate (PC) is a Pyrotechnic and is Primarily Used to Manufacture Fireworks and Matches. There is NO Known Legitimate Reason to Possess this Chemical in the ATO. PC is NOT Manufactured in the ATO.**

**It is a Known Insurgent TTP to Conceal Illegal Fertilizers in Legal Fertilizer Bags. For Example, Placing Calcium Ammonium Nitrate (CAN) Fertilizer in a Diammonium Phosphate (DAP) Fertilizer Bag. Don't Judge a Bag by it's Label.**

**The Images Featured in this Recognition Guide are a Representative Sampling of the Materials Found in the ATO, and are Not All Inclusive. Insurgents are Continually Refining Their TTPs and the Visual Appearance of Materials and Bags May Change Over Time.**

**DAP and Urea Fertilizers are Legal to Possess and Use in the ATO.**

**VOIED RECOGNITION GUIDE – AFGHANISTAN IS ALSO AVAILABLE**