

**In the name of Allah, the Most Gracious, the Most Merciful**

**Al-Saqri foundation for military sciences**

**Present**

**Urea Nitrate Preparation**



By adding a nitrate salt together with citric acid the nitric needed to make Urea Nitrate can be produced. The recipe to make it is simple, and will allow production of enough material to manufacture a pressure cooker bomb.

**Chemicals Required:**

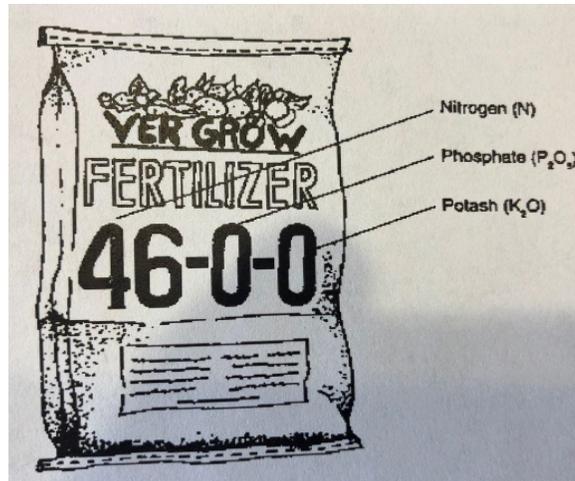
- Urea (46-0-0)
- Potassium Nitrate (Saltpeter)
- Citric Acid (Sour Salt)

**Equipment Required:**

- Small 2 Liter Jars
- 4 Liter Pot or Bucket
- Large Heating Pate or Propane Burner
- Bed Sheet or Tea Towel
- Wooden Frame or Jar

Preparation:

Step 1 – Weigh out 600 grams of urea fertilizer. Make sure the fertilizer is pure urea which will have the marking on the bag of 46-0-0.

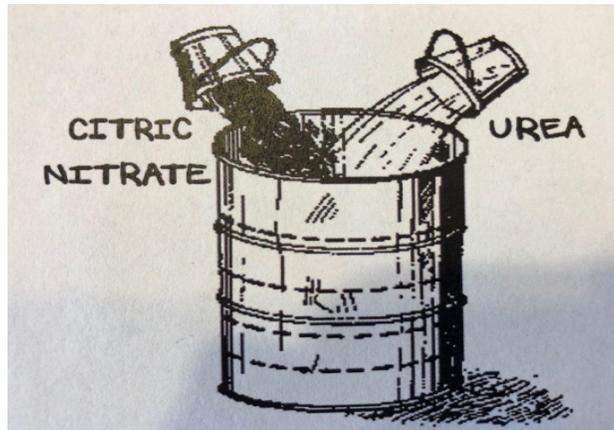


Step 2 – Add to the urea 350 milliliters of hot water to quickly dissolve. Urea will make water cold when dissolving and hot water should be added to help the reaction. Water can be boiling, but should not be below 45 C.



Step 3- To make the nitric acid weigh out 1 kilogram of potassium nitrate and 1.9 kilograms of citric acid. Mix these two powders together in a bucket with 1.25 Liters of water. Heat the water to 45 C to get chemicals to react and start to make the nitric. Some small solid may not dissolve. For safety do not heat over 60 C.

Step 4 – Add both the urea in hot water and the hot nitric acid mixture to a larger bucket. All solid should dissolve.



Step 5 – Let the solution cool. Crystals should start within a few hours. Let the solution sit over night at normal temperature and many more crystals will grow. After 2 days all the nitric acid will form and produce the full amount of Urea Nitrate.

Step 6 – Filter the solid off and let dry in the sun. Solid can be collected with cloth wrapped around a jar for small amounts. Larger amounts can be collected with a sheet over a wood frame.



When dry the Urea Nitrate will be hard and crumble. It is then ready to be put in the pressure cooker to create the large charge. Use 3 grams of HMTD to explore the cooker.

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