

A method for producing complex fertilizer in the form of multicomponent granules enriched with carbamide is realized by preparation of mixture of phosphoric and sulfuric acids, neutralization of mixture with ammonia, introduction of component containing potassium in the form of potassium chloride, introduction of carbamide in one or two flows, drying and granulation of all components of mixture in the presence of recycle, classification and cooling granulated product with isolation and conditioning of granules of ready-mixed fraction, purification of spent drying gases with returning products of purification and preparation of mixture of acids.