



## SPECIFICATION

### NORDOX 75 WG AGRICULTURAL FUNGICIDE

**DESCRIPTION** NORDOX 75 WG AGRICULTURAL FUNGICIDE consists of a homogeneous mixture of technical NORDOX Cuprous Oxide Agro-Grade (Cu<sub>2</sub>O), complying with the requirements of FAO specification AGP: CP/251, in the form of water dispersible granules, together with carriers and formulants. It is in the form of granules for application after disintegration and dispersion in water. The formulation is dry, free-flowing, essentially non-dusty, and free from visible extraneous matter and hard lumps.

**ACTIVE INGREDIENT** NORDOX Cuprous Oxide Agro-Grade (Cu<sub>2</sub>O) with the following specification:

Cu <sub>2</sub> O content	: min. 970 g/kg
Total Cu	: min. 860 g/kg
Metallic Cu	: traces
Cupric Cu	: max. 10 g/kg
Metals other than Cu	: max. 5 g/kg
Water	: max. 10 g/kg
Arsenic	: max. 86 ppm 1)
Lead	: max. 430 ppm 1)
Cadmium	: max. 86 ppm 1)

1) FAO specified max. limit for plant protection products specified in FAO AGP: CP/251 for copper fungicides.

**COMPOSITION** NORDOX Agro Grade : 86.2 % 2)  
Dispersants : 13.8 %  
Arsenic : max. 75 ppm 1)  
Lead : max. 375 ppm 1)  
Cadmium : max. 75 ppm 1)  
2) 86.2 % Agro-Grade is equivalent to 75 % Cu (± 2 %)

**APPLICATION** High and low volume spraying with water as carrier.

**PHYSICAL PROPERTIES**

pH range	: 7.0 – 8.5	(CIPAC MT 75.2)
Wettability	: max. 1 min	(CIPAC MT 53.3.1.)
Wet sieve test	: max. 0.01 % on 325 mesh (44 microns)	(CIPAC MT 59.3)
Degree of dispersion	: min. 80 %	(CIPAC MT 174)
Suspensibility	: min. 80 %	(CIPAC MT 168)
Persistent foam	: max. 2 ml after 1 minute	(CIPAC MT 47.2)
Granule size	: max 2 % < 50 µm max 2% > 300 µm	(Laser diffraction) (Laser diffraction)
Moisture	: max. 1.5 % loss at 105° C	
Dust forming capacity	: Essentially non-dusty (1,67 g/m <sup>3</sup> )	(EC Regulation 91/248)
Flowability	: Free flowing	(CIPAC MT 172)
Storage stability	: Stable after storage at 54° C (±2) for 14 days	(CIPAC MT 46.1.1)
Particle size of Cu <sub>2</sub> O	: 99% finer than 5 microns, 80% finer than 2 microns,	(Sedigraph) (Sedigraph)
Tap density	: 1,7 kg/l	(CIPAC MT 169)

**BIOLOGICAL PROPERTIES**

Fungitoxicity	: Cu <sub>2</sub> O is considered the most effective form of copper.
Phytotoxicity	: Cu <sub>2</sub> O is relatively non-phytotoxic except to "copper shy" varieties.
Mammalian toxicity	: Non-hazardous, but livestock (especially sheep) should not be allowed to feed newly sprayed herbage.
Trace element	: Stimulates plant growth and yield on copper deficient soil.

Oslo, 041002

### NORDOX AS

Østensjøveien 13, 0661 Oslo, Norway Tel. +47 22975000 Fax +47 22641208  
www.nordox.no