



METHODS OF APPLICATION

We recommend that ZEBA is applied with specialized machinery capable of metering micro granulated products, such as Horstine, Stocks & Gandy type micro application units or similar, following the manufacturer's guidance for calibration. If applying in moist humid conditions one could consider the prior use of graphite or talc into the metering units to remove excess moisture.

BANDED IN FURROW APPLICATIONS

We recommend that ZEBA is banded into the drill/sowing line which is generally around 10cm wide. For narrower drill lines please consult your ZEBA representative for specific instructions.

ZEBA can be applied on its own or in mixture with fertilisers and other soil conditioners such as humates. ZEBA is ideally placed below the seed by approximately 2-15cm. When ZEBA is to be applied around or on top of seeds, it is important that the area is irrigated immediately as this will optimise germination of the seed.

BROADCAST AND INCORPORATED APPLICATION

ZEBA can be broadcast with an appropriate metering unit just prior to being incorporated. Such an example maybe for the preparation of planting beds for melons, tomatoes or similar. It is important to ensure the incorporation is not too deep, keeping ZEBA near to the rooting zone. Keep ZEBA incorporation as near as possible to the drip line, planting line or fertiliser placement.

Alternatively if broadcasting is to benefit surface crusting / slaking of soils, ZEBA should be incorporated 1-2cm below the soil surface and above the seed placement.

SUBSTRATE INCLUSION

ZEBA has been found to add value to substrate mixtures in many different formats. Testing of the particular substrate to be used is always recommended as the use rates may vary greatly. Substrates that can benefit from addition of Zeba include small seeding modules, large pots, soil & compost substrates, poor soils and green roofing. The application range from these types of substrates is 0.3 g/L or 300 g/m³ up to 2 g/L and 2 kg/m³. Mix ZEBA thoroughly into the substrate before use.



NEW TREE PLANTINGS



STARCH BASED SOIL CONDITIONER

Increasing the efficiency of water and nutrient for improving crop performance.

Containing (88% Starch-g-Poly).

Improving seedling, crop and plant development, reducing stress symptoms.
Ideal for an extensive range of agricultural, horticultural, grass and amenity applications.
With additional applications in trees, vines, compost and soil substrates.

ZEBA is a soil conditioner which is non-toxic and biodegradable. This product is classified as not hazardous according to Regulation (EC) 1272/2008 and Directives 67/548/EEC and 1999/45/EC.

Marketing Company:

UPL Europe Ltd.

The Centre, 1st Floor, Birchwood Park, Warrington, WA3 6YN

Telephone: 01925 819999 Fax: 01925 817425

Net Weight on the bottom right of the label. 5 or 20 kg

Batch number:

IMPORTANT INFORMATION

ZEBA IS A SOIL CONDITIONER INTENDED FOR SOIL INCORPORATION

Areas of use

: All arable, potato, vegetable, horticultural, grassland and amenity crops.



Saplings and mature trees (fruit, citrus, nut and forestry plantations).
Potting soils, composts and soil applied substrate mixtures.

Maximum application rate : There is no specific maximum application rate, however it is advised to adhere to guidance on rates of application.

Total No. of applications per season : N/A

Application methods : Zeba should be applied into soil and soil substrates. It is not recommended for surface application without incorporation.

READ THE LABEL BEFORE USE.

SAFETY PRECAUTIONS

OPERATOR PROTECTION

No specific operator protection is required as this product is not classified as toxic. Handle in accordance with good industrial hygiene and safety practice. Avoid dust formation. When using, do not eat, drink or smoke. Avoid inhalation of vapor when opening bags, there is a faint odor resembling ammonia which is not harmful.

ENVIRONMENTAL PROTECTION

No specific environmental protection required as this product is not classified as toxic to the environment.



STORAGE AND DISPOSAL

Keep in original packaging, tightly closed, dry and in a safe place. Empty all packaging completely and dispose of safely. Keep away from food, drink and animal feeding stuffs. Keep out of reach of children. Keep away from fire and sparks. Avoid release to the environment. Refer to special instructions/safety data sheet. Spillages should be cleared up immediately.

DIRECTIONS FOR USE

IMPORTANT: ZEBAS is suitable for many applications and rates of use depending on the specific situation.

The following is a guide and is in no way limited or exhaustive. Please consult UPL Europe Ltd, your ZEBAS distributor, on further guidance if required.

CROP APPLICATIONS

All arable crops		Green cover / amenity Vegetation	4.5 – 10 kg/ha	Reduced Surface crusting /Slaking
Small grains (wheat, barley, oats)	2 - 10 kg/ha	New seeding of grassland (including amenity)	5-10kg/ha	2.2 - 5 kg/ha
Maize / Corn	4.5 – 10 kg/ha			Potting soils, containers, transplant substrates and compost mixes. 0.3 – 2 kg/m ³
Potatoes	10 – 12.5 kg/ha in row 20 – 25 kg/ha overall			Planting beds and landscaping 0.5 – 2.0 kg/100m ² ltr/ha of fertilizer solution
Root crops (including sugar beet and turnips)	3.4 – 8 kg/ha			
Salad and Vegetable crops. (leafy Brassica, cabbage, lettuce, carrots)	4.5 -10 kg/ha			



Fruit crops & Fruiting Vegetables (Strawberries/ tomatoes/Melons)	8 -15 kg/ha	Amenity Grassland (golf courses, parks & laying of Sod)	.5 -1.5 kg/100m ²	
Allium (onion/leeks)	4.5 – 10 kg/ha	Trees (Fruit, Citrus, nut and forestry plantation coppices.)	0.5 – 14 grams/plant 7.9 -15kg/ha	
Legumes and Pulses (peas/beans/clovers/ Lucerne)	4.5 – 10 kg/ha	Grapes (wine and table)	1-2grams/plant 7.9 -15 kg/ha	
Fresh herbs and spices Herbaceous plants (Chicory)	4.5 – 10 kg/ha			
Ornamentals	4.5 – 10 kg/ha			

EFFECT OF PRODUCT

ZEBAS absorbs water naturally within its polymer structure, holding this water in the soil, thereby increasing a soils water holding capacity. This water is then able to be released according to natural processes to meet requirements of the soil matrix. ZEBAS as a soil conditioner will improve overall soil properties, increasing the efficiency of soil applied nutrients.

SOIL APPLICATION

ZEBAS is primarily intended for incorporation into soils or soil substrate mediums such as composts.

TIMING

ZEBAS is suitable for pre or post crop emergence. ZEBAS **must** be incorporated into the soil, mainly before sowing planting or transplanting. With specialised equipment, ZEBAS can be side shanked into the soil once the crop has emerged. ZEBAS is **not** intended for surface application without adequate incorporation.

SOIL TYPES

ZEBAS is applicable in all soil types and substrates. Where a range of application rates are provided, we would advise higher rates in lighter sandier soils.