

**Welldone superabsorbierendes Polymer Kaliumpolyacrylat haben drei Modell: Pulvern, Mikrogranulat, Granulat. Gemäß verschiedenen Erntebedürfnissen und Bodentyp-Modellen, um das Modell auszuwählen.**

**PRODUCT DISPLAY**

**LARGER GRANULES**

**SAP**

WD-KS01



**MICRO GRANULES**

**SAP**

WD-KS02



**POWDER**

**SAP**

WD-KS03



## Welldone superabsorbierendes Polymer Technischer Indikator

Name	Superabsorbierendes Polymer für die Landwirtschaft
Trockenmasse	85% - 95%
Aussehen des Produkts	Trocken = weißes Pulver Hydratisiertes = transparentes Gel
PH-Wert	6.5-7.5.
Partikelgröße	Pulver, Mikrogranulat, Granulat
Maximale Absorption (in W / W) *	≥350 in entionisiertem Wasser; 150 im Boden
Dosierung	Substrat: 1 bis 2 Gramm pro Liter Sendung auf dem Boden: 20 bis 50 Gramm pro
Verfügbares Wasser bei PF4.2 (nahe dauerhafter Welfpunkt)	95%
Wirksamkeit im Boden.	Bis zu 5 Jahre
Haltbarkeit des trockenen Produkts	2 Jahre
Toxizität im Boden.	Keine unter normalen Nutzungsbedingungen
Verpackung	25kg pro Krafttasche
Lagertemperatur	0 ° - 35 ° C

## Welldone superabsorbierende Polymer Kaliumpolyacrylateigenschaften & Vorteile

1. Sicherheit und biologischer Abbau SAP 2. Bewässerungsfrequenz reduziert. 50%.
3. Unternehmen Pflanzenwachstum 4. Verbesserung der Bodenstruktur.
5. Limits-Verluste Nutrient 6. LANGER SERVICE LEBEN

# FEATURES & BENEFITS



## 1 SAFETY AND BIODEGRADATION

WELLDONE SAP® polymer degrades naturally in soils (up to 10% - 15% per year) in CO<sub>2</sub>, H<sub>2</sub>O no residue, pollution of plants, soil.

## 2 IRRIGATION FREQUENCY REDUCED 50%.

Potassium(K<sup>+</sup>) polyacrylate based SAP can moisture holding increases the Water Holding Capacity of soils for several years.

## 3 ENHANCES PLANT GROWTH

Water and nutrients are continuously available in the root zone for optimal absorption by plants.

## 4 IMPROVING SOIL STRUCTURE

Improves the physical properties of compact soils through good aeration.

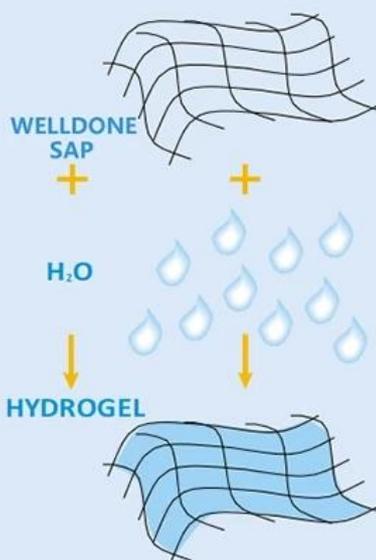
## 5 LIMITS LOSSES NUTRIENT

Improve the utilization rate of fertilizer, soil water retention agent in the soil formed in the "small reservoir" absorption of fertilizer.

## 6 LONG SERVICE LIFE

Repeated water absorption expansion and release contraction, Effectiveness in soil up to 5 years.

## HOW IT WORKS



### ABSORBING WATER

- The polymer consists of a set of polymeric chains that are parallel to each other and regularly to each other by cross-linking agents, thus forming a network.
- When water comes into contact with one of these chains, it is drawn into the molecule by osmosis.
- Water rapidly migrates into the interior of the polymer network where it is stored.

### RELEASING WATER

- As the soil dries out, the polymer releases up to 95% of the absorbed water into the soil.

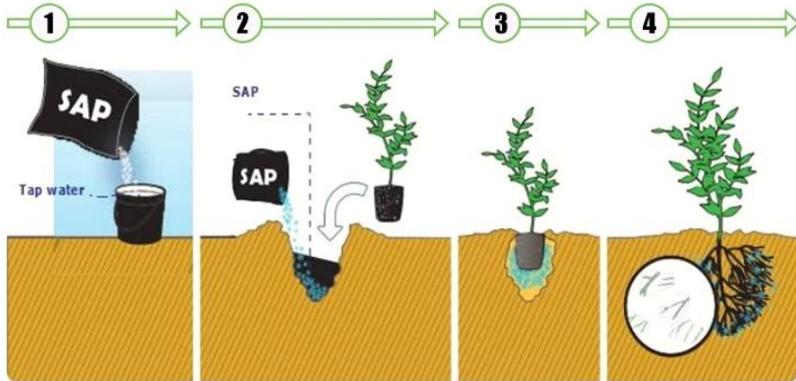
## **Verfahren zur Verwendung des Wasserhalters SAP superabsorbierendes Polymer**

## METHODS OF INCORPORATION

Three main methods of incorporation are proposed according to the application considered.

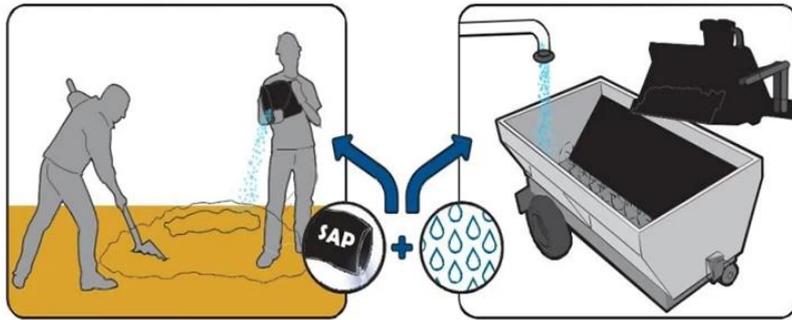
### 1 FORESTATION

The WELLDONE SAP pre-hydrated is implemented directly in the field, by hand or with specific tools (forestation; landscaping).



### 2 POTTING MIXES

WELLDONE SAP is incorporated into a substrate (dry or hydrated), the "mixed" being used for nurseries or potting mix.



### 3 LARGE SCALE FARMING

The WELLDONE SAP is implemented in the sowing coultter during the crops sowing, by using a pneumatic micro granular spreader. Whatever the mode of incorporation is, the product has to be properly buried into the soil, to be protected from UV radiations.

