

Short chain fatty acids in animal nutrition

- C1** Formic acid
- C2** Acetic acid
- C3** Propionic acid
- C4** n-Butyric acid
- C5** Valeric Acid

Role in animal nutrition

One of the control measures for treatment of Salmonella.



ants



Natural resources



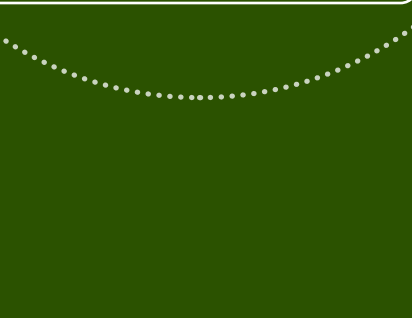
nettles

Perstorp Holding AB Sweden

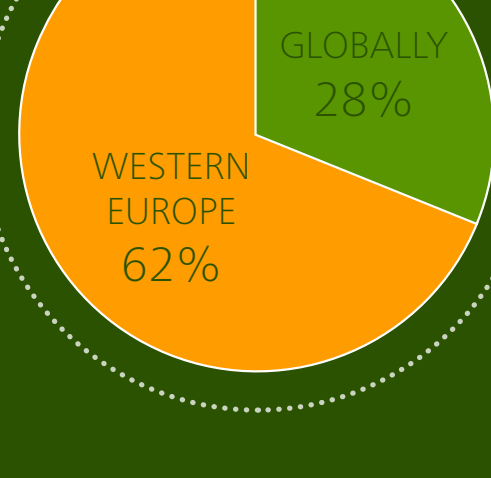
Eastman Chemical Company u.s.



Global demand



"THE BAN OF ANTIBIOTIC GROWTH PROMOTERS THAT STARTED IN EUROPE IN 2006, IS THE MAIN DRIVER FOR THE GROWTH IN ANIMAL NUTRITION"



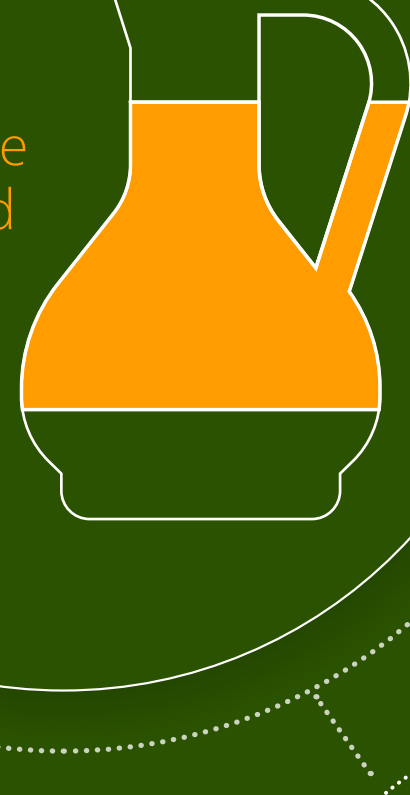
C2 Acetic acid

Natural resources

plants and fruits



Vinegar, the one everyone has in their household



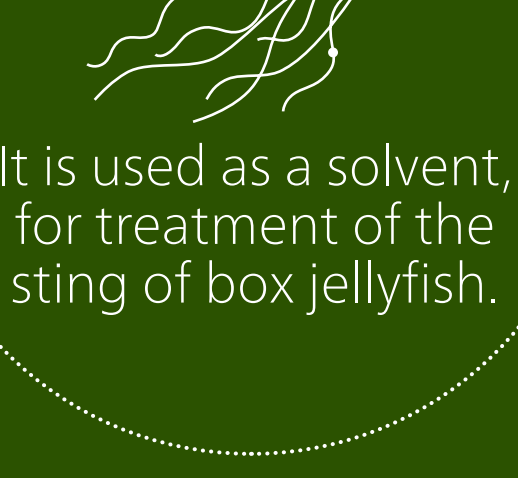
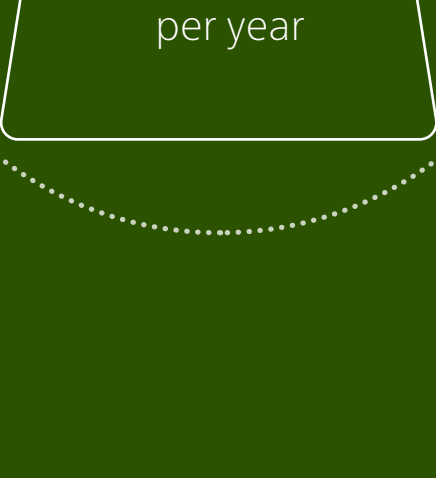
Role in animal nutrition

BP u.s.

Producers*



Global demand

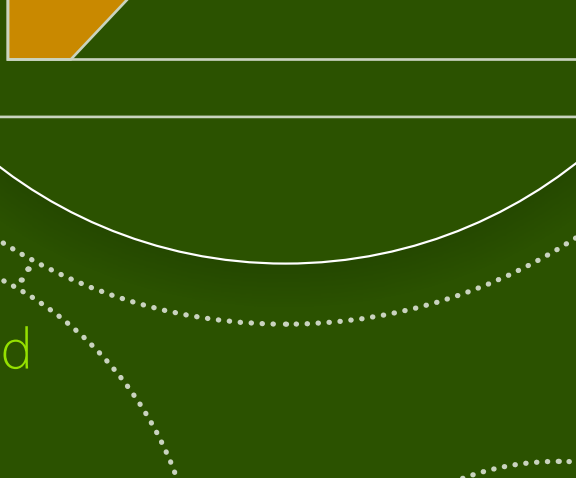


It is used as a solvent, for treatment of the sting of box jellyfish.

C3 Propionic acid

Role in animal nutrition

Grain storage and grain preservation



essential oils



Natural resources

Perstorp Holding AB Sweden

Eastman Chemical Company u.s.

The Dow Chemical Company u.s.

Producers



Global demand

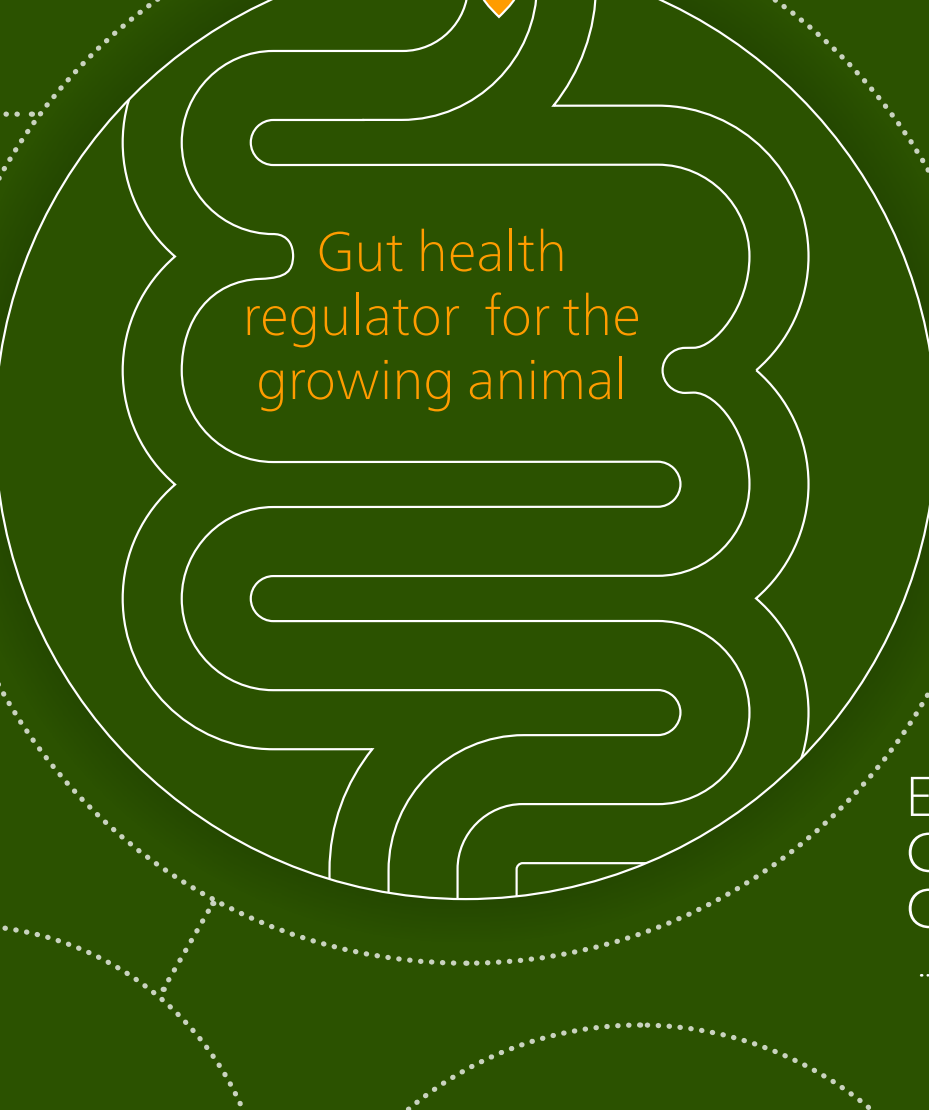


80% PRESERVATION OF FOOD OR ANIMAL FEED

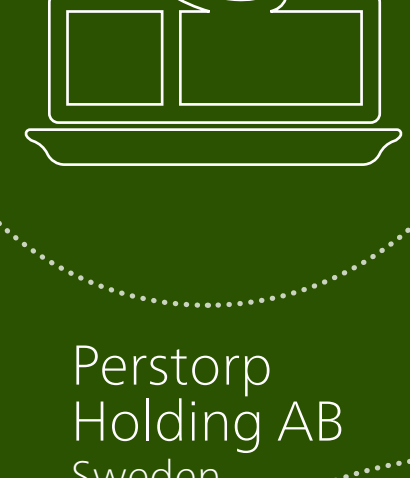
C4 n-Butyric acid

Role in animal nutrition

Gut health regulator for the growing animal



Butter



Natural resources

raw milk



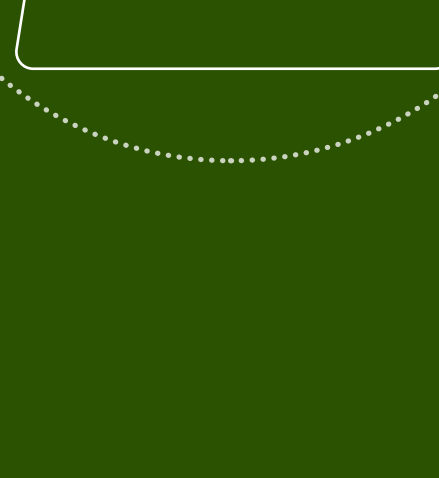
Perstorp Holding AB Sweden

Eastman Chemical Company u.s.

Producers*



Global demand



"ANIMAL FEED GROWN INTO THE LARGEST APPLICATION"

"SMELLS LIKE BABY VOMIT"

C5 Valeric Acid

Natural resources

Valerian



Role in animal nutrition



Specific action against Clostridium perfringens.

fruity flavors



used in perfumes and cosmetics



Perstorp Holding AB Sweden

Producers*



Global demand



The Dow Chemical Company u.s.

Locations Producers*



* Bron: Fefana, 2013

Timeline: The history of Perstorp in organic acids

