

# ACEMIX

Livestock premix exclusively reserved for feed compounder.

## COMPOSITION

- Essential oils exclusive mix for zootechnical index in livestock production control and,
- made up from aromatic substances and natural flavourings,
- obtained by exclusive Mediterranean forest plants hydro-distillation (by vapour).
- The concentration in these oils is 23,250 mg/kg of premix.

## WAY OF ACTION

The polyphenols contained in the essential oils from ACEMIX have three effects:

- Intestine and rumen micro-population regulation.
- Powerful antioxidant.
- Feed appetizible improver.

Its effects will be:

### 1. Rumen

- Acemix regulates the micro-population of the rumen, being its action on Gram (+) bacteria.
- The Gram (+) bacteria are responsible for the methane, ammonia and lactate production (Russel et al 1989). As these populations diminish, there are fewer gas productions (less bloat), less nitrogen loss (more available protein) and less lactate production (less acid ruminal pH).
- Besides, the essential oils from ACEMIX have an effect on protozoan, taking place in the rumen certain diminish of these, therefore the micro-protein production efficiency increases.

### 2. Intestine

- The ACEMIX effect on protozoan makes it especially interesting for coccidian natural control.
- The ACEMIX bactericidal effect helps the chemical pH barrier that separates the large and small bowel to keep untouched, so it hinders the reactionary colonization from saprophyte bacteria of the large bowel to the small bowel that can become infectious and causes most of the diarrhoea that occurs in young animals.

### 3. Organism in general

- Part of the natural polyphenols that incorporate ACEMIX are absorbed, and its powerful antioxidant effect leads to immunity, health and therefore zootechnical yield improvement.
- The antioxidant effect is very interesting for the subsequent meat conservation which gives and added value to the produced meat.

## INSTRUCTIONS

The recommended ACEMIX quantities per feed tonne are variable depending on the use it pursues. It may be used up to the following quantities:

Calves .....	1 kg/t
Lambs.....	2 kg/t
Piglets.....	2 kg/t
Fattening pig.....	1 kg/t
Broilers .....	1 kg/t
Ostriches (young) .....	1 kg/t
Fattening rabbits.....	2 kg/t

Withdrawal period is not needed.

## PRESENTATION

In bags of 25 kg net weight when packaging, palletize.

## UNDESIRABLE SUBSTANCES AND FREE OF GMO INFORMATION

According to the European Directives 1829/2003/EC and 1830/2003/EC, the products that make up ACEMIX do not contain genetically modified organisms, are nor produced from genetically modified organisms, and do not contain ingredients produced from genetically modified organisms (GMO free).

ACEMIX has not been manufacturer from Dioxin contaminated products or has been in touch with Dioxin contaminated products during its manufacture or packaging processes. Dioxin: pg EQT PCDD/F-OMS/g fat <15 (C+ EAN., S.L. Method, reference sample 761/VAR).

ACEMIX contents on other undesirable substances are: Cadmium (Cd) < 0,002, Lead (Pb)<0,005, Arsenic (As)<0,001, Mercury (Hg)<0,005 (C+ EAN., S.L. Method, reference sample 761/VAR)

## REGULATION OF ACEMIX INGREDIENTS.

The ingredients of ACEMIX have been introduced in the Register of Feed Additives, that has been established as laid down by article 17 of Regulation (EC) No 1831/2003, on *Additives for use in Animal Nutrition*. The introduction of these ingredients in the Register is specified by Article 10 of Regulation 1831/2003, as these ingredients where first regulated by Council Directive 70/524/CEE *concerning Additives in Feedingstuffs and List of Authorised Additives in Feedingstuffs*.

The Register classifies these substances as *sensory additives, flavouring compounds and natural products – botanically defined*.