

# An Advancement in Micro-encapsulated Organic Acids and Essential Oils



Manufactured by  
AGRANCO CORPORATION USA



# Agracid-P<sup>TM</sup>

CERTIFIED QUALITY



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The good actions of today  
make for a better tomorrow

## AGRANCO World Distribution Network

Agranco Group is a manufacturing and sales organization headquartered in Coral Gables, Florida and manufacturing companies located in Mexico and the U.S. It has a network of distributors in Mexico, United States, Central America, South America, Europe, Middle East, Africa and Asia, all dedicated to providing distribution and service of our products, with its own staff of engineers, technical specialists and PhD in every area of activity.

**Animal Nutrition:** Selective Adsorbents Mycotoxins, Organic Minerals microencapsulated probiotics and Immunomodulators, Enzymes, Yeast and Microflora regulators.

**Agricultural Industry:** Organic Insecticides, Fertilizers, natural and biodegradable.

**Aquaculture Industry:** Yeast, Enzymes, Probiotics and oligosaccharides for shrimp and fish rations.

**Food Processing :** Disinfectants food for human consumption.

**Sugar Industry :** Stabilizers of pure cane juice

**Water Treatment :** Decomposers of organic matter and water purification.

The products are marketed under its own brand, are unique and specific to improving processes in each industry, having fully researched about them, proving their effectiveness in every field. We invite you to evaluate waiting to exceed your expectations and be part of our user list.



DISTRIBUTORS  
WORLDWIDE





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# What is Agracid-P

AGRACID-P is a concentrated form of organic acids premix and natural aromatic substances, protected in a special matrix of fatty acids, for its utilization as an intestinal modulator in poultry feeds. All ingredients of Agracid-P are approved by FDA under American Association of Feed Control Officials (AAFCO), No. 57.150, Publication: 1,998.

### Mode of Action

AGRACID-P Under its "Patent Pending" manufacturing process, Agracid-P has a triple mechanism of action: Quick release of dissociated acids in the crop/gizzard, and proventricles, slowly and controlled release of organic acids in the intestinal tract in a NON-Dissociated form, reducing drastically enteric improving the zootechnic problems and antibacterial action directly in the feed upon contact. This technology, developed by AGRANCO, is known as C.S.R.T. (Coating Sustained Release Technology), Patent Pending, simultaneous treatment of crop/gizzard, GIT and feed. Agracid-P is an exceptional alternative to antibiotics and growth promoters.

### Rate of application

Broilers: 125 to 250 grams / MT of feed.

Breeders and layers: 250 grams to 500 grams / MT of feed.

Turkeys: 450 grams / MT of feed.

### Application

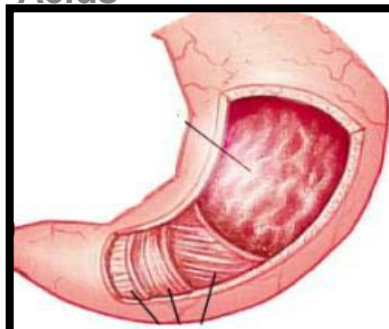
Nutritional supplement

## Role of Organic Acids



Feed

**Reduce pH**  
**Reduce Bacterial Load**



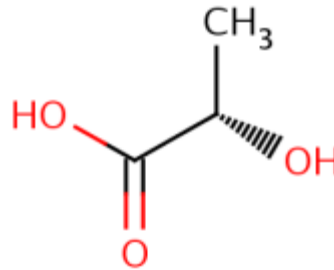
Stomach

**Reduce pH**  
**Increase Digestion**

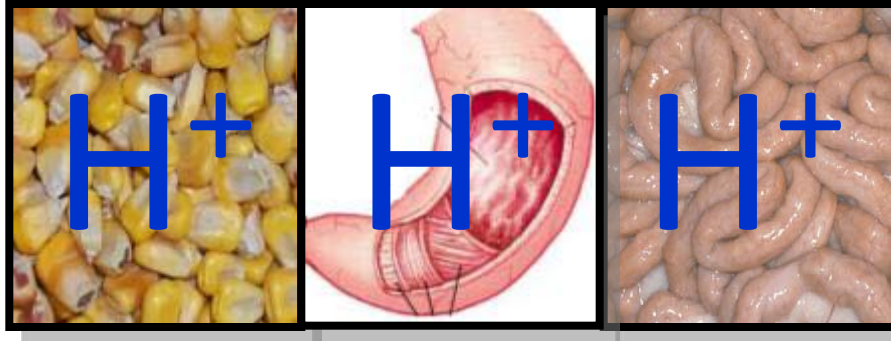


Intestine

**Reduce pH**  
**Reduce Bacterial Load**  
**Increase Digestion**

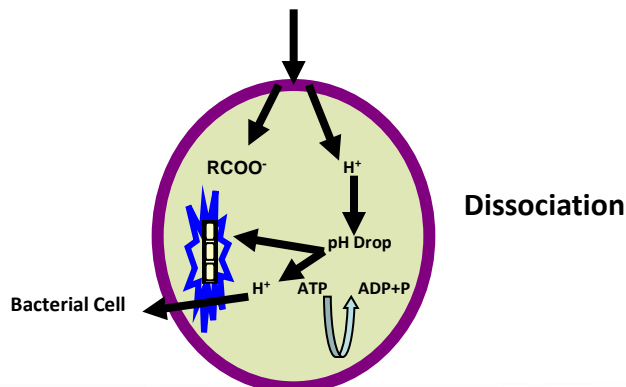


## How Organic Acids Work



- At specific pH levels the dissociation happens
- At certain point 50% of acids dissociated
- This pH called as pKa value of the organic acid
- pKa value varies from acid to acid
- pKa Value of organic acids ranges from 3.75 - 5.75
- And the pH of GIT also varies from 2.5 to 8.0

### RCOOH – Organic Acid (Non-dissociated)

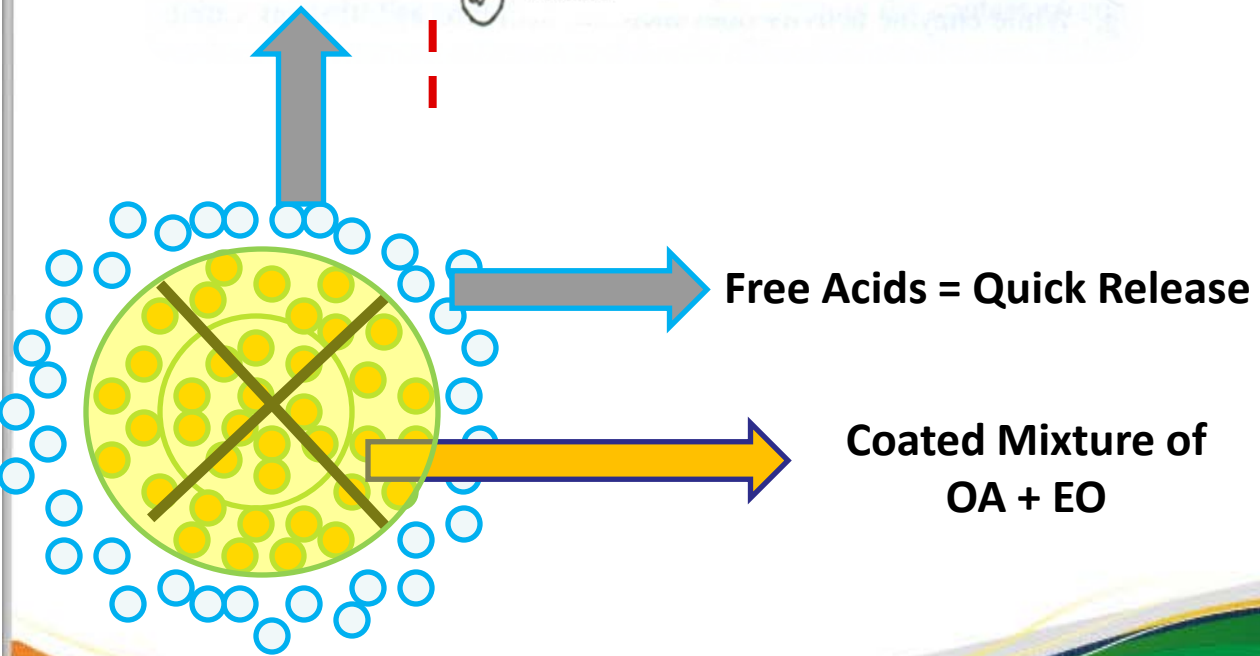
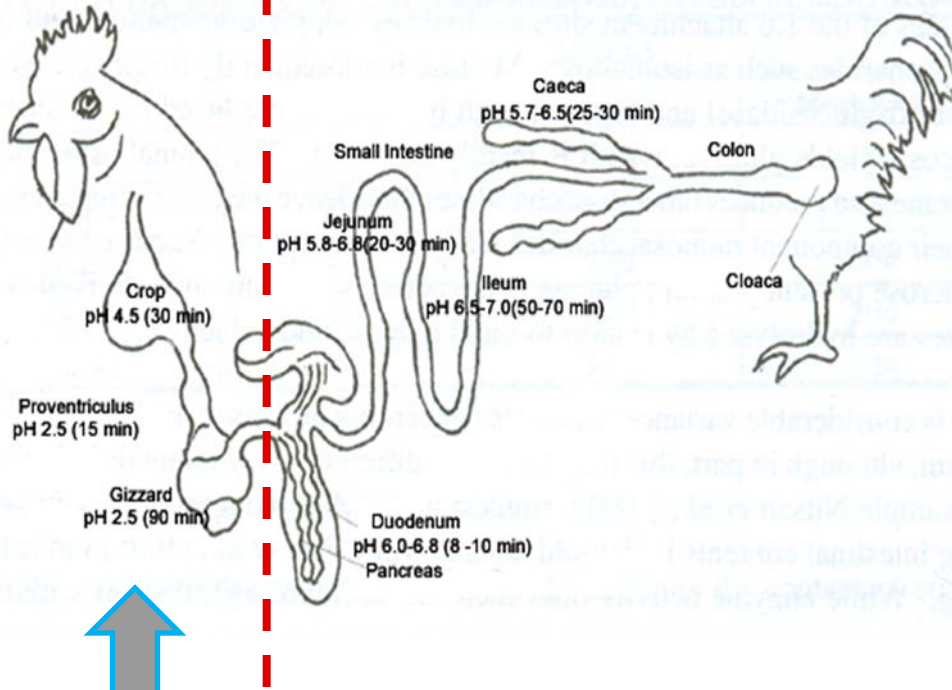


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**Agracid-P First Effective Action**

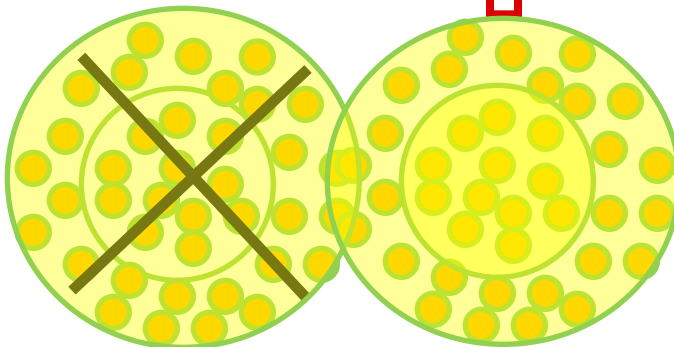
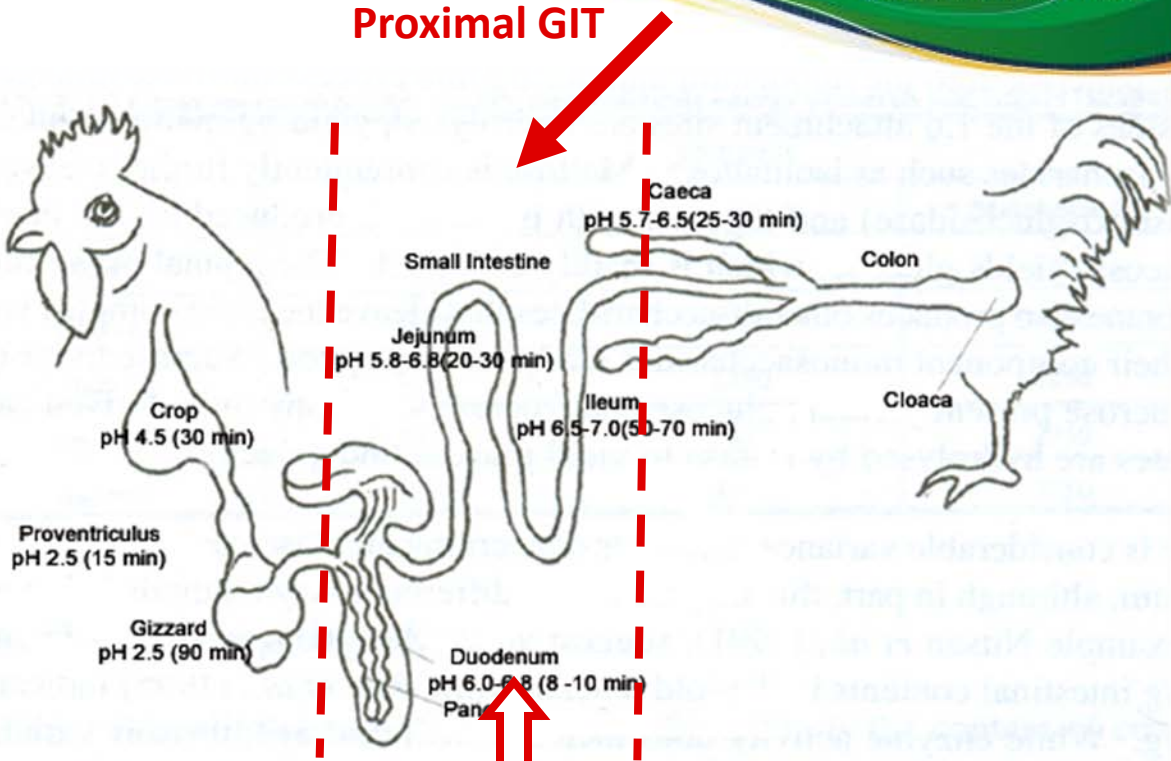
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**Agracid-P Second Effective Action**



**Slow Release**

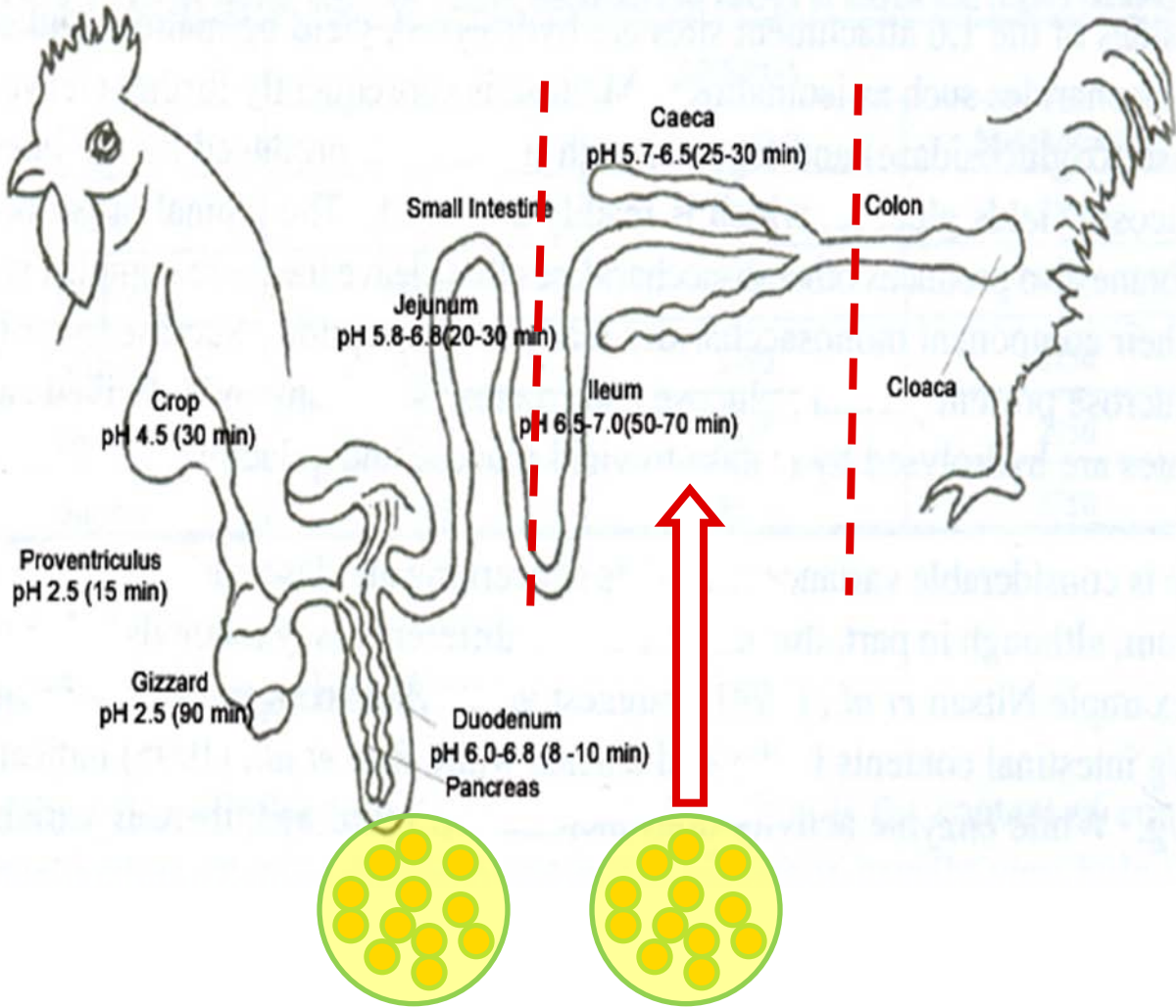
**Protected**

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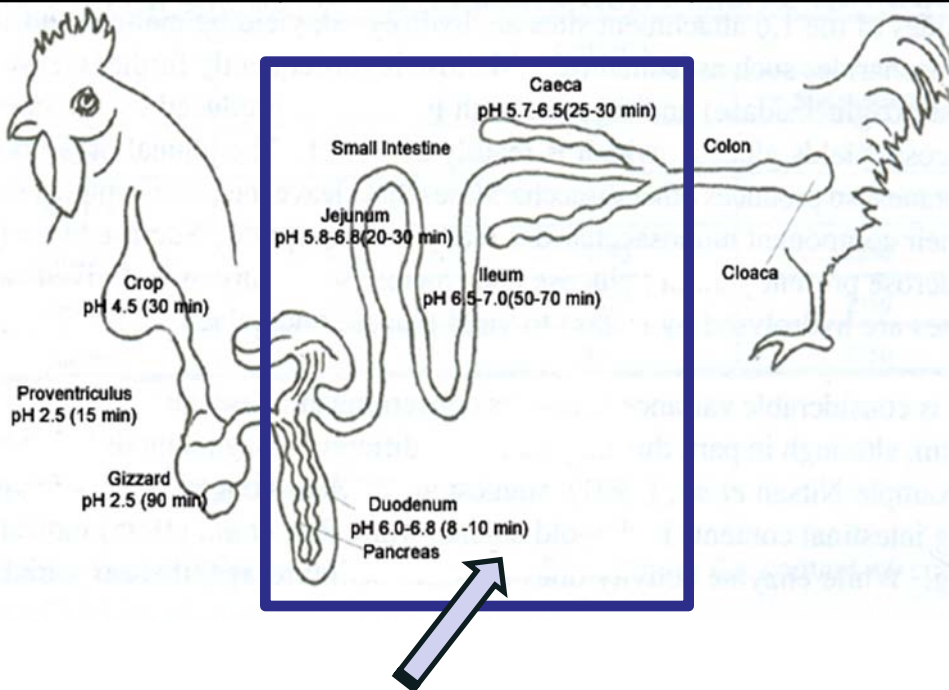


## Gradual Release

**Agracid-P First Effective Action**

# Extended Triple Action Beyond Duodenum

|                              |  |   |
|------------------------------|--|---|
| Free Organic Acids           | Free Organic Acids   | Coated Organic Acid and Essential Oils                              |
| Feed & Stomach               | Feed, Stomach & Intestine  | Intestine (Beyond Duodenum)   |
| Many bacteria spp / Bacteria | Yeasts & bacteria – ( <i>E. coli</i> , <i>Salmonella</i> ) / Molds | Bacteria ( <i>E.coli</i> & <i>Salmonella</i> - <i>Clostridium</i> ) |



Patent Pending Target Medium = CSRT

**Coating Sustained Release Technology**

## Packaging and storage

25 kg poly-ethylene bags in export carton boxes or 1,000 kg bulk bags.  
Store in dry area, under roof at ambient temperature away from sunlight.



Manufacturer and Worldwide Distributor  
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