

# ACS-100與其他配方的應用

[acs100@rondo.com](mailto:acs100@rondo.com)



# ACS-100 & Vitoxal

## 豬飼料的應用



# 豬飼料的應用

- 與對照主比較增重13.4%
- 提高換肉率11.89%
- 取代抗生素
- 豬毛皮特別滋潤油亮，情緒活潑，體相很好
- 詳細資料備詢



# ACS-100的應用-豬飼料

- 將稀釋後的ACS-100（1份ACS-100原液加99份水, PH值約為ph1.0）緩緩加入緩慢混合入乳豬(剛斷乳的小豬)飼料中, 調整至PH  $5.2 \pm 0.2$ 後即可喂食, 可提供酸化的飼料環境在飼料中加速小豬生長, 此法可增加換肉率(增加12%)與不用抗生素
- **忌諱:不可將ACS-100直接倒入金屬飼料槽內; 此舉會引起腐蝕反應而造成污染與傷害**



# Vitoxal的應用-豬飼料

1. 可取代oxytetracycline & tetracycline並且**無藥物殘留**之問題
  2. 濕飼料:將稀釋後的ACS-100（1份ACS-100原液加99份水）緩緩加入緩慢混合入濕飼料中，調整至PH  $5.2 \pm 0.2$ 後即可喂食，
  3. 乾飼料:  
使用簡單方便(1:99, 及一份Vitoxal + 99份乾飼料混合均勻即可)
- 詳細資料備索



# Viotoxal – 飼養魚，蝦添加劑 取代四環素

- 好處：
  1. 可取代oxytetracycline & tetracycline並且無藥物殘留之問題
  2. 魚苗/小魚存活成長率平均增加44%
  3. 使用簡單方便(1:99, 及一份Viotexal + 99份飼料混合均勻即可)



# VITOXAL IS AN EXCELLENT GROWTH PROMOTER OF FISH AND OUT-PERFORMS OXYTETRACYCLINE

Vitoxal is an effective fish feed additive. Vitoxal supports fish health resulting in reduction in mortality and an increase in biomass as compared to fish fed Oxytetracycline. With pricing comparable to Oxytetracycline; **Vitoxal is the additive of choice!**

Figure 1: Visual comparison of the initial and final biomass of fingerlings in the trial

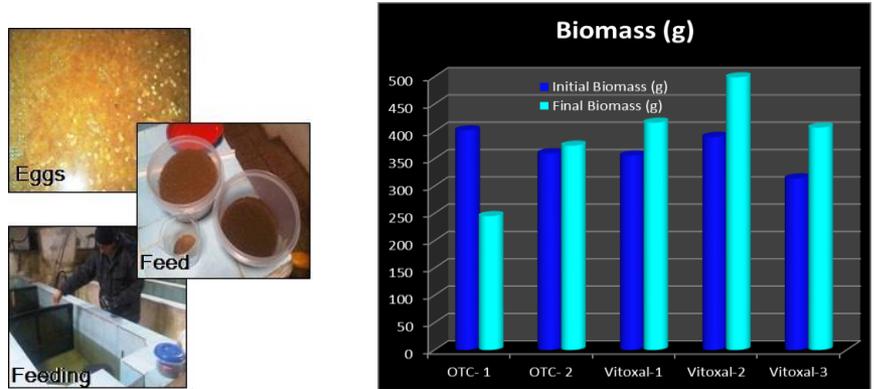
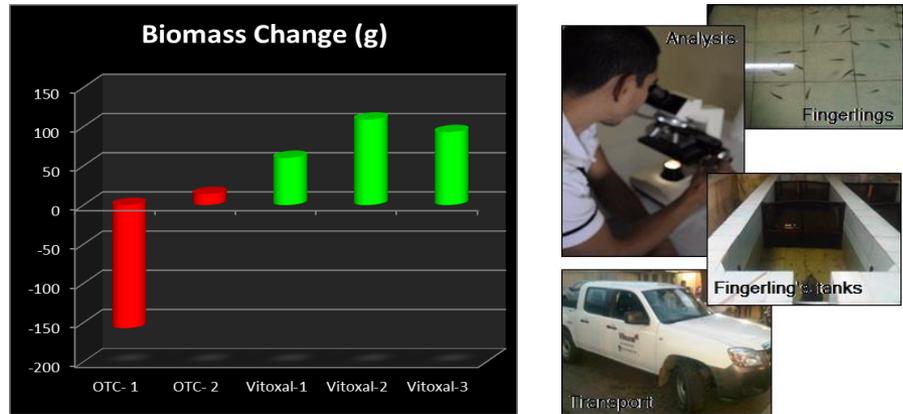


Figure 2: Visual comparison of the average change in biomass



# VITOXAL –VS- OXYTETRACYCLINE SUPPLEMENTS ON TROUT GROWTH: 30 DAY FEEDING TRIAL

## INTRODUCTION

The objectives of this trial were two-fold: First, can addition of Vitoxal prevent mortality due to bacterial infection as compared to a commonly used antibiotic, tetracycline. Secondly, does addition of Vitoxal, an acidifier, to the feed directly affect fry and fingerling growth?

For study purposes the total biomass of all fingerlings was determined at the initiation time and at the end of the feeding trial. These values are reported herein.

## METHODS

The fingerlings in the feeding studies were carried out using different cages with the same number of fingerlings in each cage as presented in **Table 1**. The diets defined as Vitoxal-1, Vitoxal-2 and Vitoxal-3 in **Table 1** were the base trout diet employed by the farm for feeding trout and adding Vitoxal as a feed supplement. The diets containing Oxytetracycline and labeled Tetra-1 and Tetra-2 were prepared by mixing the base diet with the antibiotic. **A 10 day treatment of Oxytetracycline was necessary because of a disease outbreak in this group.**

**Table 1: Fingerlings diets to be tested**

Diet
Base + Oxytetracycline -1 (OTC)
Base + Oxytetracycline -2 (OTC)
Base + Vitoxal -1
Base + Vitoxal -2
Base + Vitoxal -3

## RESULTS

The initial biomass of the fingerlings was determined when the trial was initiated and the final biomass at the trial conclusion. The results are presented in **Table 2** along with the change in biomass that occurred during the thirty day feeding. These results are also shown in bar-graph **Figures 1 and 2**.

**Table 2: Comparisson of the effects of dietary suplementes on fingerlings biomass weight gain**

Diet	Initial Biomass (g)	Final Biomass (g)	Biomass Change (g)
Base + Oxytetracycline-1	402	245	-157
Base + Oxytetracycline-2	360	374	14
Base + Vitoxal-1	356	416	60
Base + Vitoxal-2	390	499	109
Base + Vitoxal-3	314	407	93

## CONCLUSION

A better health status is basic to animal growth. As a basic tenant diet is generally central to promoting growth and overall health. No mortality was recorded for the groups fed diets supplemented with Vitoxal or Oxytetracycline. **Therefore, it is concluded that Vitoxal is an excellent growth promoter and out performs Oxytetracycline.** In all cases fingerlings fed a diet supplemented with Vitoxal exhibited a superior gain in biomass compared to fingerlings fed a diet supplemented with Oxytetracycline.

**"It is evident that Vitoxal can replace Oxytetracycline and it has no residue issues, a property associated with Oxytetracycline"**

