EFFECT OF THE ADMINISTRATION OF IMMUNOX AND PERFORM MAX TO POULTRY FEED ON THE PRODUCTIVITY INDEXES IN BROILERS.

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OBJETIVES

- To evaluate productive parameters in broilers when adding Perform Max and Immunox.
- Decrease in coliforms count.
- Decrease in broilers production costs.


AGRANCO


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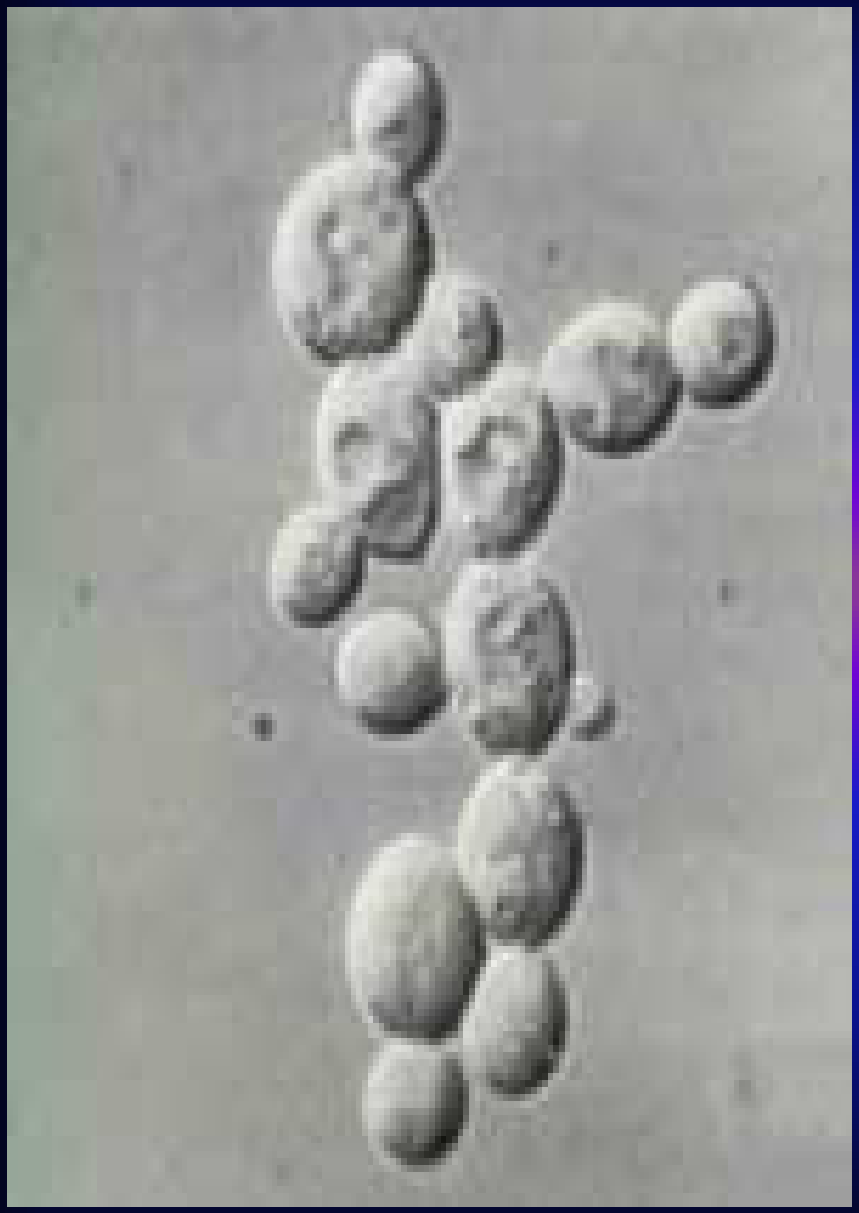


Cell Wall: ***Saccharomyces. cerevisiae***

a) Homopolisaccharides (70-80%)

- **Glucans**
- **Manans**

b) Heteropolisaccharides (10-15%)

- **Glucomanans**
- **Galactomanans**
- **Xylomanans**

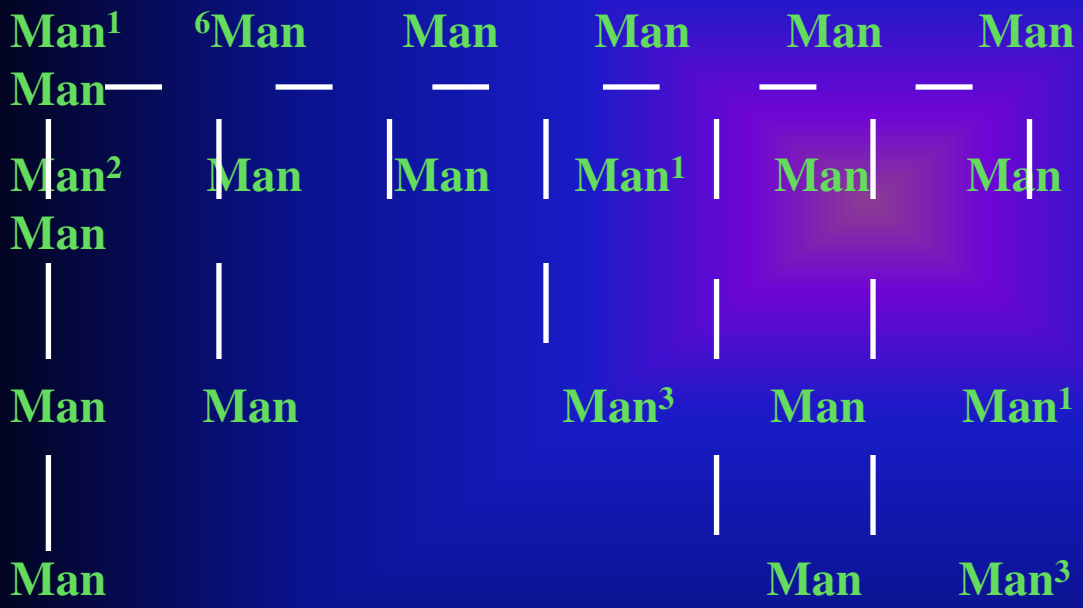
c) Proteíns

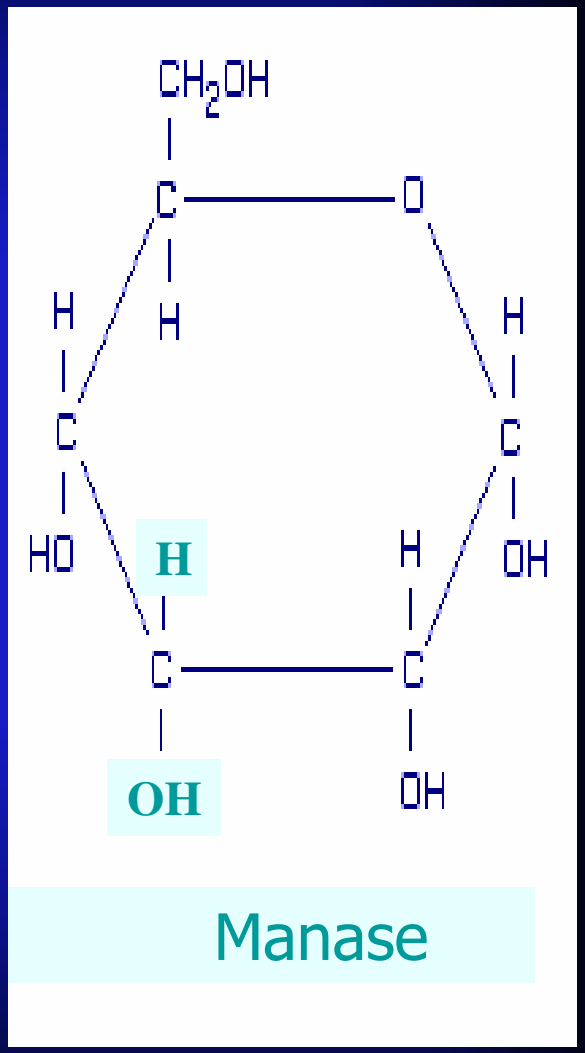
d) Quitine

e) Lipids

MANAN STRUCTURE

Manase units per link a1,6 and ramifications a1,2 and a1,3





MATERIALS

- 100 male Ross broilers one day old
- 100 female Ross broilers one day old
- Commercial Vaccination Program
- Feed Mixer
- Petersime Electric Incubator
- Galvanized Wire Cage

	DIET 1	DIET 2	DIET 3	DIET 4
Sorghum	302	302	302	302
Soybean meal	77	77	77	77
Animal grease	30.5	30.5	30.5	30.5
Canola meal	40	40	40	40
Gluten	25	25	25	25
Orthophosphate	7.5	7.5	7.5	7.5
Calcium	8	8	8	8
Pigment	3	3	3	3
Choline chloride	0.8	0.8	0.8	0.8
Sodium chloride.	1.6	1.6	1.6	1.6
Prem. Vit / miner.	5	5	5	5
Immunox			0.05	0.05
Perform Max.		0.05		0.05

BROMATOLOGICAL ANALYSIS	PORCENTAGES BASED ON MOISTURE
PROTEIN TOTAL	18.59
GREASA	7.40
ASHES	6.19
FIBER	5.01
HUMIDITY	7.35
ENERGY	7.5

Same for all feeds

Distribution of Treatments

Males and Females

Factorial 4 X 6 X 4:

Treatment	Ross Broilers Females or Males	Repetitions
1	6	4
2	6	4
2	6	4
4	6	4

PARAMETERS

- Feed consumption.
- Weight gain.
- Feed efficiency.
- Total coliform count .
- Lymphocites B y T.
- Canals evaluation:
  - Macroscopically
  - Histopatologically (liver, small intestines y Fabrizio's pouch).

Weight gain

Females at 7 weeks

Difference between columns with statistical signnificance (p<0.5)

Treatment	Initial weight Average	Final weight Average	Weight gain
1	217.5 + 9.0	2578.7 + 135.8	2361.2[a]
2	216.7 + 7.6	2636.5 +143.5	2419.8[a]
2	218.2 + 2.5	2638.4 +128.7	2420.2[a]
4	216.2 + 10.4	2732 .6+103.5	2516.4b[a]

Weight Difference

Females at 7 weeks

Difference between columns with statistical difference (p<0.5)

Treatment	Final weight Average	Weight difference from T-1
1	2578.7 + 135.8	0.0
2	2636.5 +143.5	57.8
2	2638.4 +128.7	59.7
4	2732 .6+103.5	153.9

Weight Gain

Males at 7 weeks

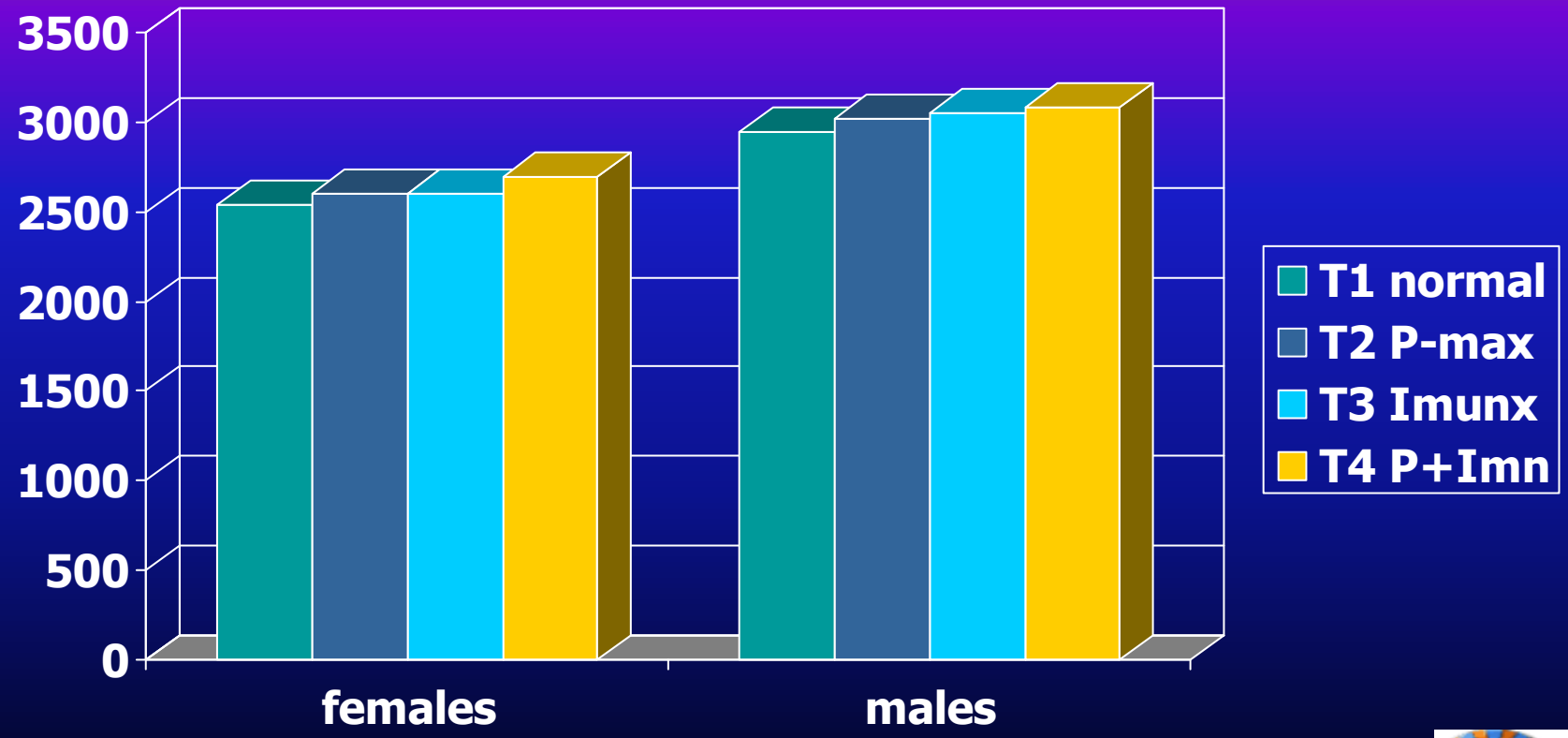
Treatment	Initial weight Average	Final weight Average	Weight gain
1	215.7 + 6.2	2981.8+ 178.5	2766.1
2	227.0 + 10.3	3057.5 + 198.7	2830.5
2	221.5 + 8.5	3088.7 + 207.4	2867.2
4	219.8 + 19.2	3117.2 + 235.5	2897.4

Weight Difference

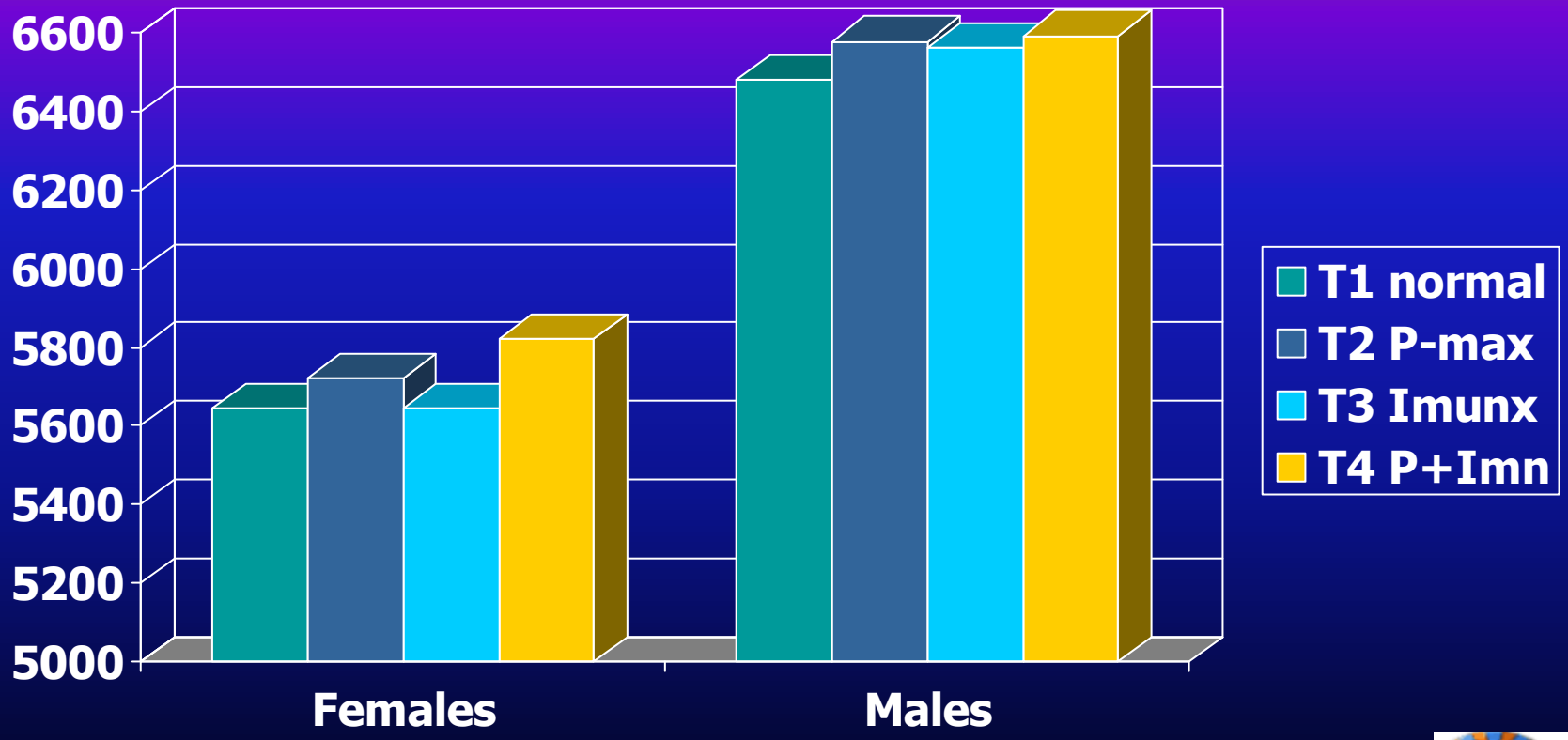
Males at 7 weeks

Treatment	Weight gain	Weight difference from T1
1	2766.1	0.00
2	2830.5	64.4
2	2867.2	101.1
4	2897.4	131.3

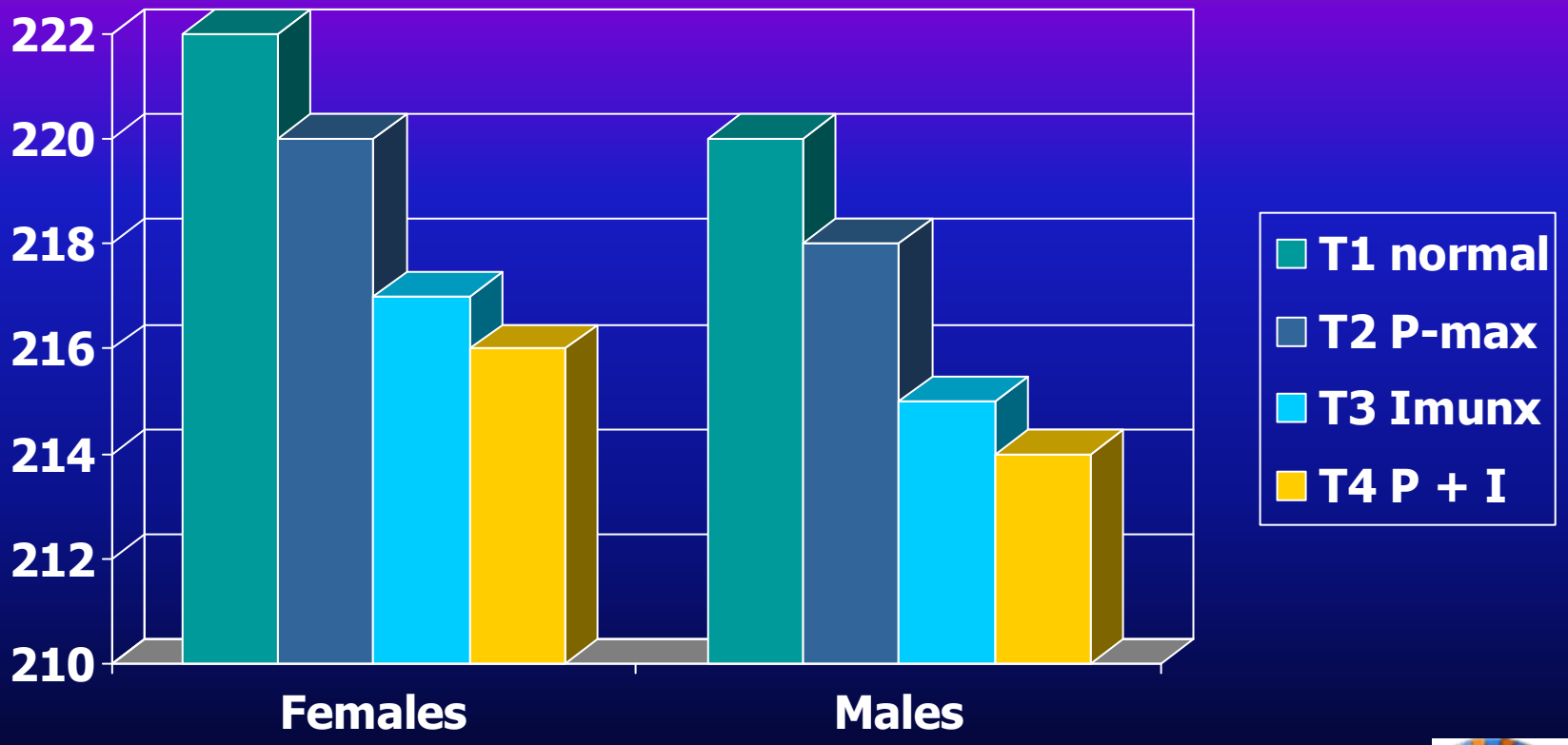
Weight gain in broilers at 7 weeks



Feed consumption in broilers at 7 weeks



Feed efficiency in broilers at 7 weeks



CONCLUSIONS

- The addition of Perform Max improved weight gain
- The addition Immunox improved weight gain
- The treatment that attained the best conversion was the combination of Perform Max + Immunox