

***- Impact of Saccharomyces boulardii
on Calf Performance -***

- Veterinary school of Munich, germany -



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MATERIALS AND METHODS

Vet school of Munich, Germany

- ✓ **Animals** : 20 new born dairy calves divided into 10 heads per treatments
- ✓ **Period**: 28 days after birth, yeast was given from birth to 10 days of age.
- ✓ **Treatments** : 2 groups : Control, Levucell SB ($3 \cdot 10^9$ cfu/head/day)¹.
- ✓ **Measurement** : weight gain, average weekly gain, diarrhea

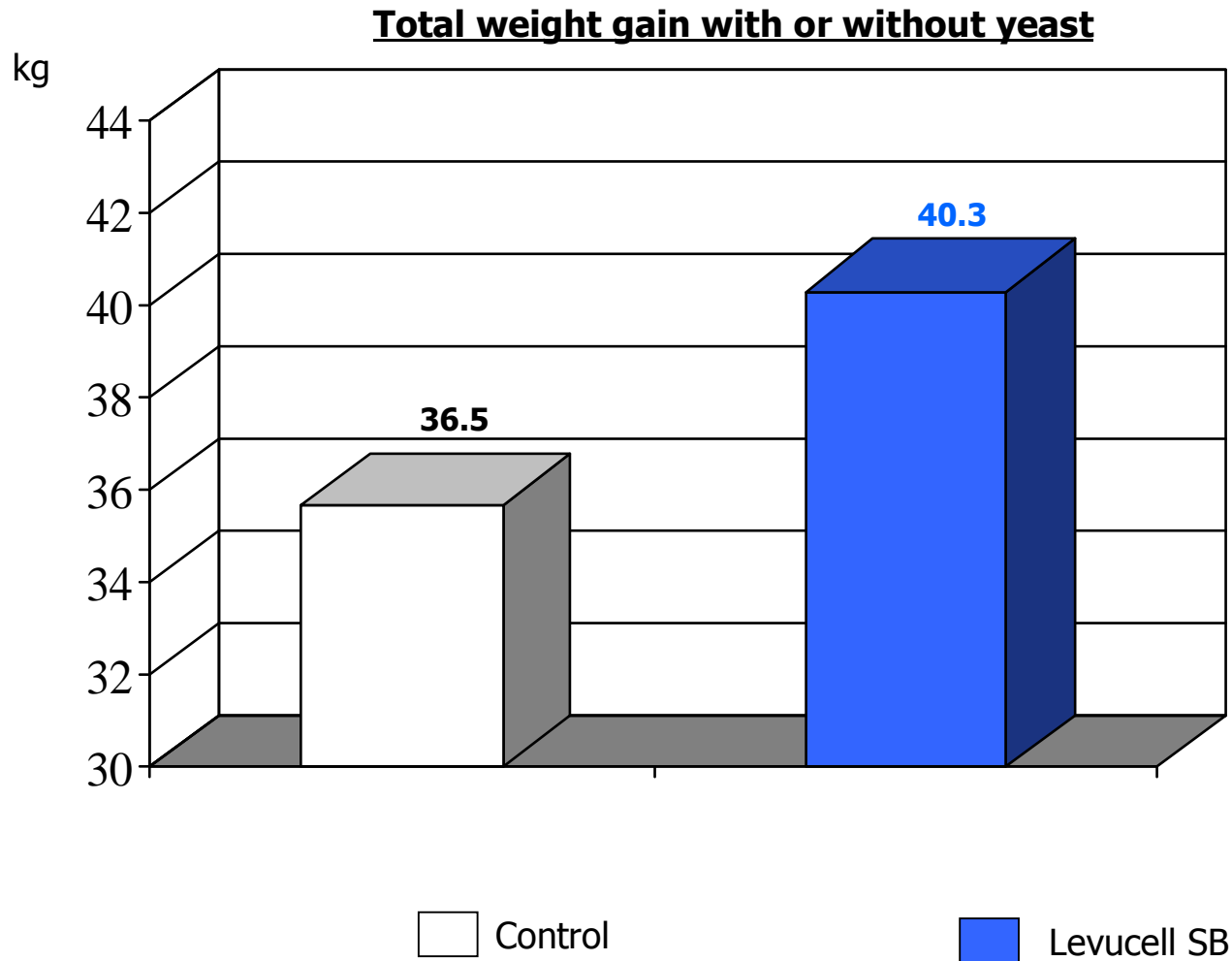
¹ cfu = Colony forming units

- Determine the effect of supplementing diets with Levucell SB and other yeast on calf performance



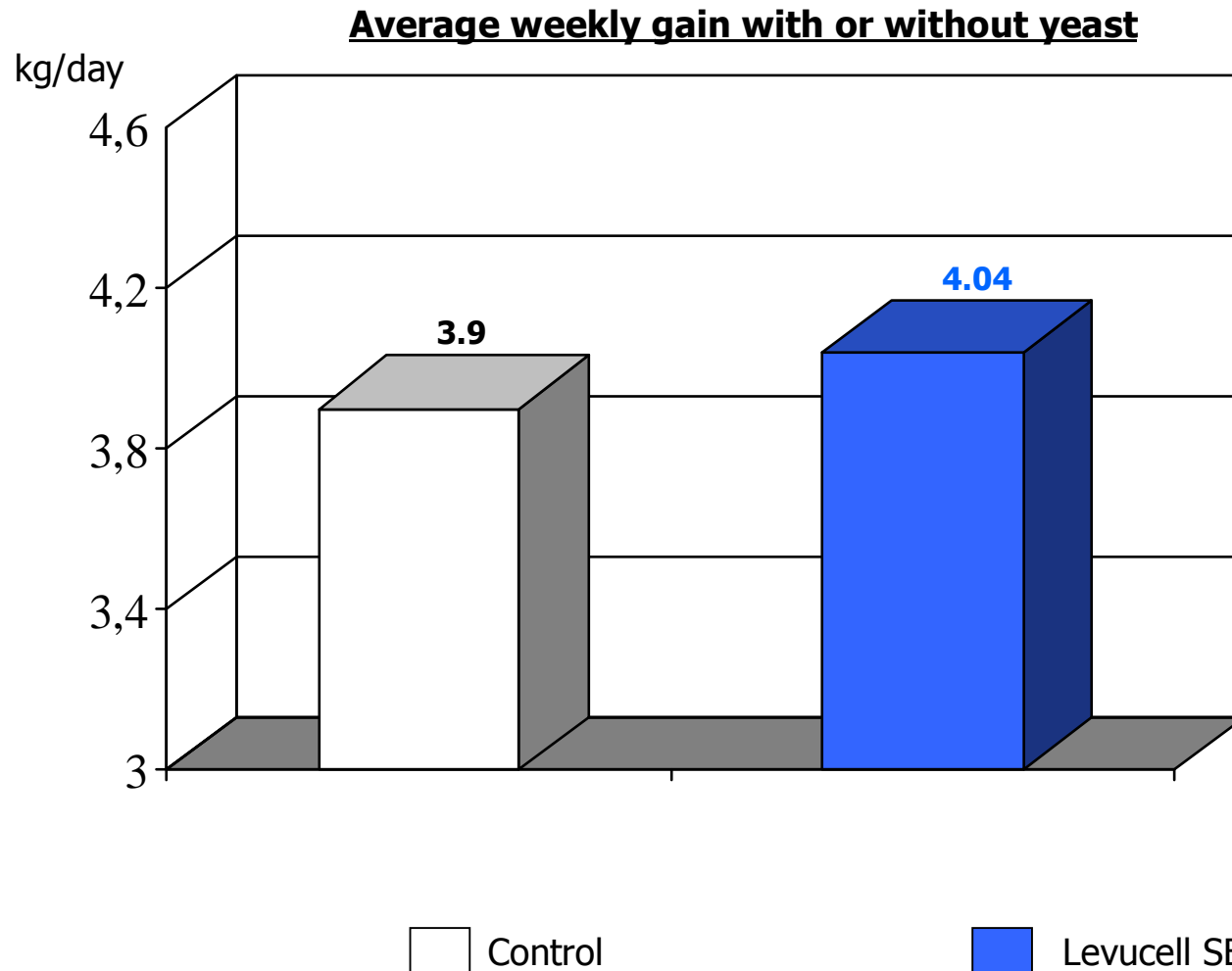
TOTAL WEIGHT GAIN

➤ **Levucell SB improves total weight gain of 10% compared to a Control.**



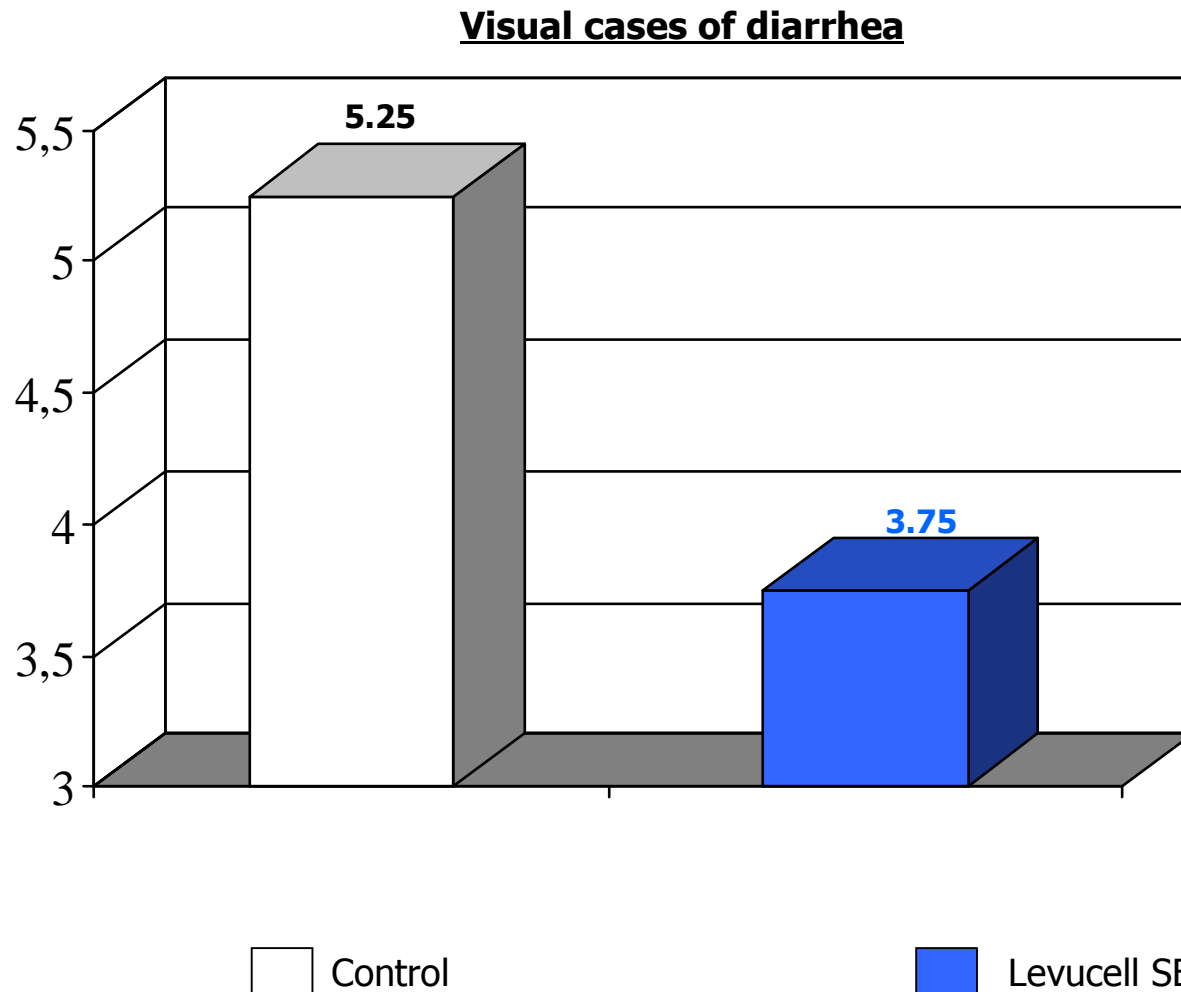
AVERAGE WEEKLY GAIN

➤ **Levucell SB improves average weekly gain of 3.5% compared to a Control.**



VISUAL CASES OF DIARRHEA

➤ **Levucell SB decreases diarrhea of 29% compared to a Control.**



CONCLUSION

- There are numerical advantages in weight gains and decreased diarrhea outbreaks for Levucell SB over control diets. Further testing in chronic scouring is needed.
- Indications from this testing show Levucell SB has benefits for newborn calves. Potential for weight gains and decreased diarrhea can be seen vs no use of active yeast.



MATERIALS AND METHODS

Vet school of Munich, Germany

- ✓ **Animals** : 30 new born dairy calves divided into 10 heads per treatments
- ✓ **Period**: 28 days after birth, yeast was given from birth to 10 days of age.
- ✓ **Treatments** : 3 groups : Control, Levucell SB (10^8 cfu/head/day)¹, Yeast 2 (10^8 cfu/head/day)¹.
- ✓ **Measurement** : weight gain, average weekly gain, diarrhea

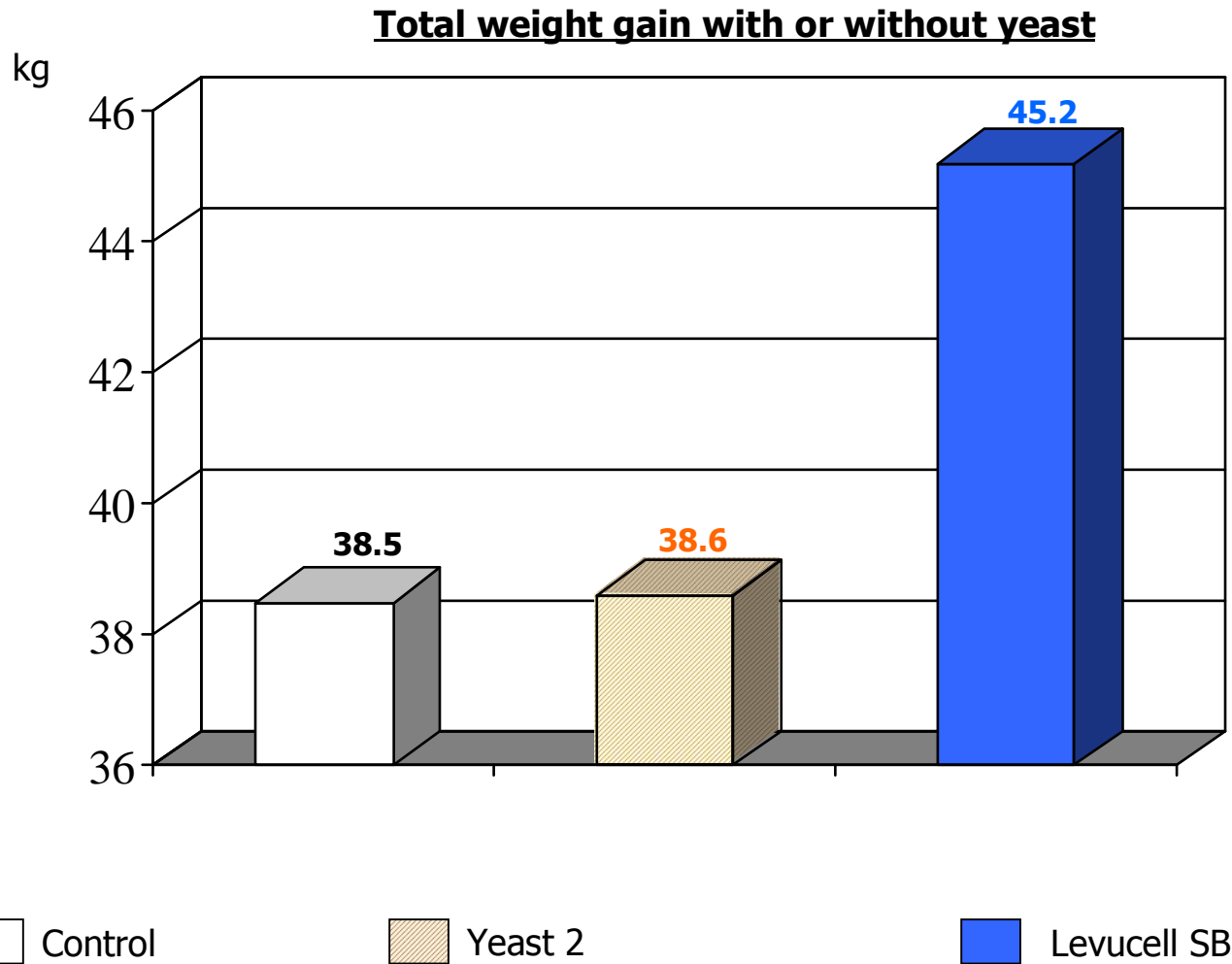
¹ cfu = Colony forming units

- Determine the effect of supplementing diets with Levucell SB and other yeast on calf performance



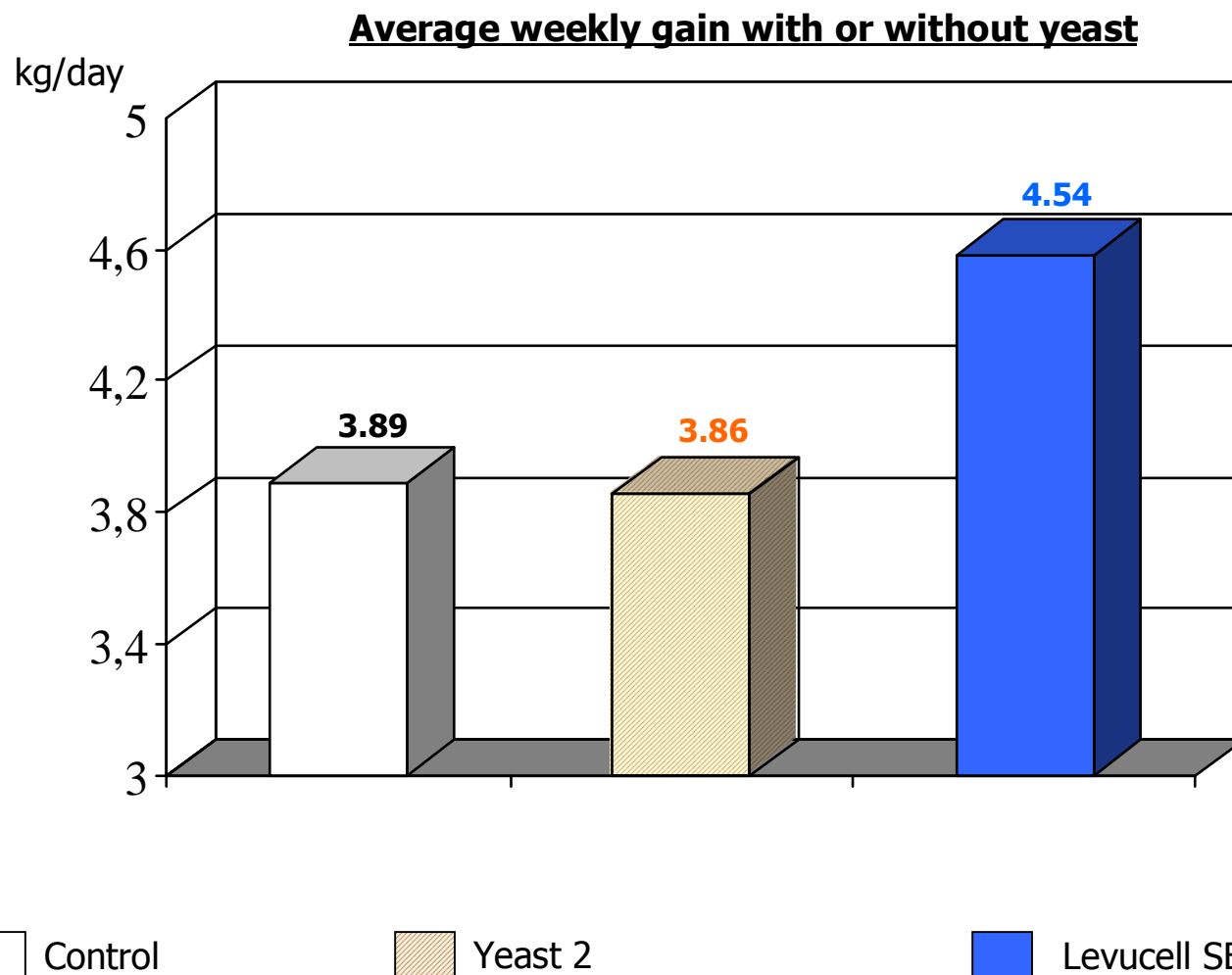
TOTAL WEIGHT GAIN

➤ **Levucell SB improves total weight gain of 17% compared to a Control or yeast 2.**



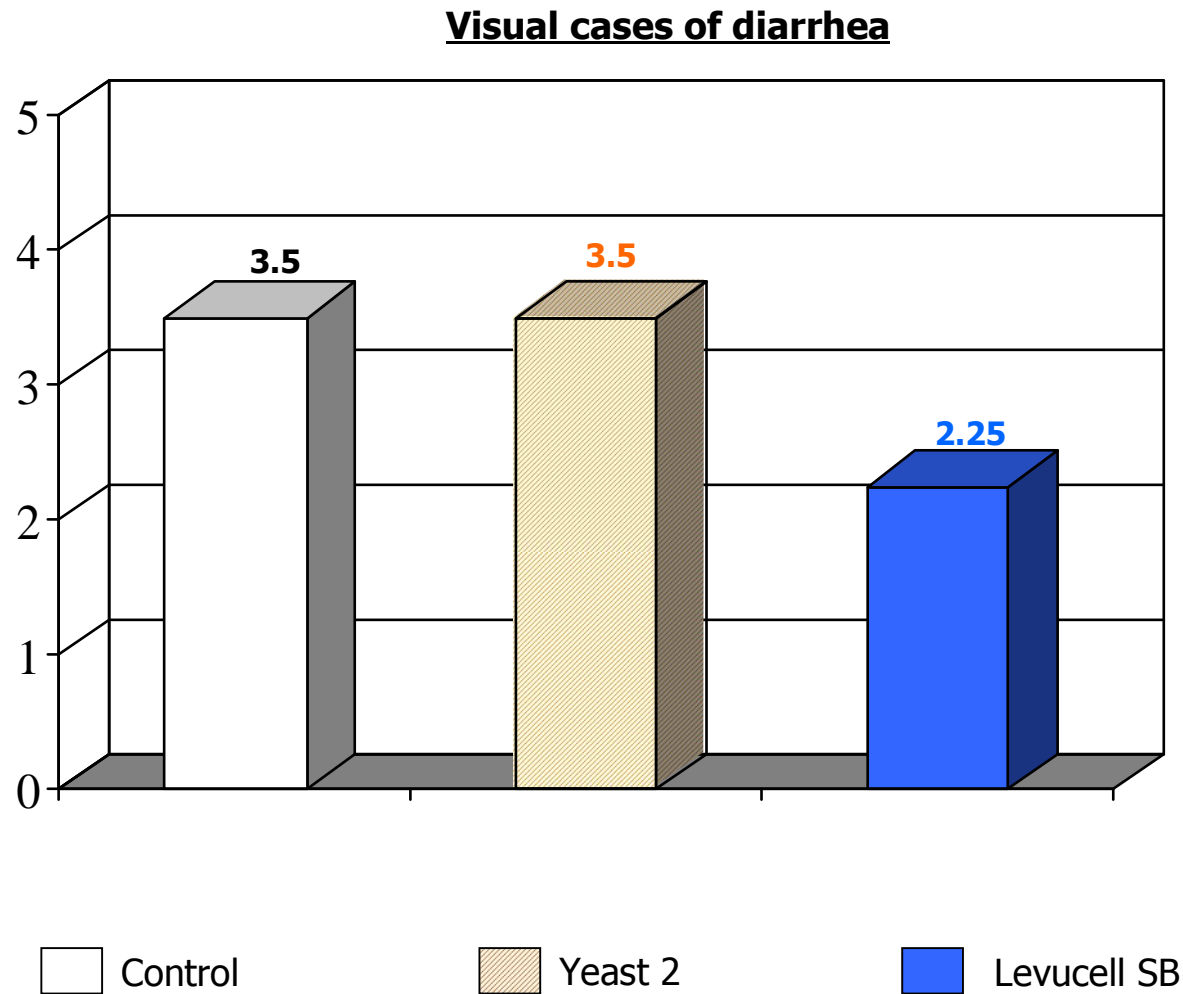
AVERAGE WEEKLY GAIN

➤ **Levucell SB improves average weekly gain of 17% compared to a Control or yeast 2.**



VISUAL CASES OF DIARRHEA

➤ **Levucell SB decreases diarrhea of 36% compared to a Control or yeast 2.**



CONCLUSION

- There are numerical advantages in weight gains and decreased diarrhea outbreaks for Levucell SB over yeast² and control diets. Further testing in chronic scouring is needed.
- Indications from this testing show Levucell SB has benefits for newborn calves. Potential for weight gains and decreased diarrhea can be seen vs no use of active yeast.

