



agroPECT® Liquid

Application of pectin in drinking water during broiler fattening


Field test at a German poultry integration | trial period: 5 months

What is agroPECT® Liquid?

agroPECT® Liquid:

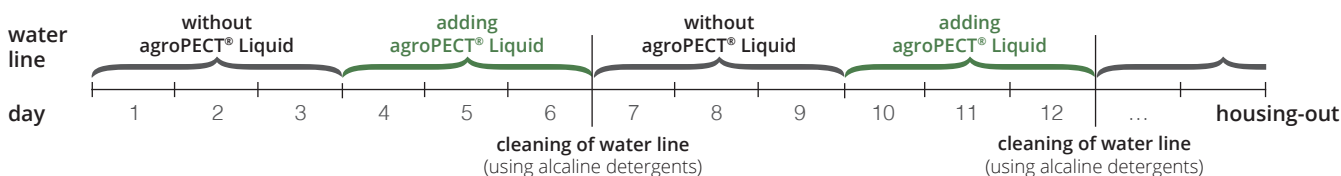
- Is an extracted citrus pectin, dissolved in water
- Optimized for easy inclusion in drinking water, simply add agroPECT® Liquid via the water tank or a dispensing unit directly into water line

Advantages of agroPECT® Liquid?

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|--|---|---|
| <ul style="list-style-type: none"> • Increased viscosity • Mucosa protection • Prebiotic effect |  | <ul style="list-style-type: none"> • enhanced intestinal stability • drier litter • more homogenous flocks |
|--|---|---|

Trial conditions

Test site: field test in cooperation with a leading German poultry integration
 Dosage: 25 ml agroPECT® Liquid per 1 liter drinking water (2.5 %)
 Water supply: nipple drinkers
 Application: start
 day 1 - 3 pure water
 day 4 - 6 water + pectin
 day 7 - 10 pure water
 ...
 end of fattening period



Breed: Ross 308 (n = 2.160.000)
 Cycles: 3 (cycle 1; cycle 2; cycle 3)
 Farms: 4 farms, with identical coops;
 180,000 chicken each
 Pectin group: 540.000 animals
 Control group: 1.620.000 animals
 Parameter
 • recorded: age, final weight, daily weight gain, losses during rearing, rejects at the slaughterhouse, feed consumption, feed costs
 • subjective: farm manager's perception
 Fattening period: range from 29-37 days, according to demand of slaughterhouse

Conclusion

Higher intestinal stability with application of agroPECT® Liquid

- Improved faeces quality
- Drier litter, thereby easier livestock management
- Homogene Bestandsentwicklung
- 18 % reduces losses (stable) and 14 % less rejects at slaughterhouse
- Similar daily weight gains, feed consumption and feed costs

Results

Average age at slaughter

	Age in days			
	cycle 1	cycle 2	cycle 3	cycle Ø
Pectin	29.9	31.9	30.5	30.77
Control 1	29.4	34.0	34.5	32.63
Control 2	31.7	33.3	36.8	33.93
Control 3	30.6	30.4	29.2	30.07

Ranking within each single cycle

Rank 1

Rank 1

Final weight and daily weight gain

	Final weight in g				Daily weight gain in g/day			
	cycle 1	cycle 2	cycle 3	cycle Ø	cycle 1	cycle 2	cycle 3	cycle Ø
Pectin	1.620	1.714	1.599	1.644	54.2	53.7	52.4	53.5
Control 1	1.552	1.856	1.938	1.782	52.8	54.6	56.2	54.5
Control 2	1.708	1.742	2.118	1.856	53.9	52.3	57.6	54.6
Control 3	1.677	1.566	1.530	1.591	54.8	51.5	52.4	52.9

Losses and rejects

	Losses (stable) in %				Rejects (slaughterhouse) in %			
	cycle 1	cycle 2	cycle 3	cycle Ø	cycle 1	cycle 2	cycle 3	cycle Ø
Pectin	5.5	6.3	3.6	5.1	2.9	3.3	1.4	2.5
Control 1	5.9	5.9	6.8	6.2	3.5	2.1	3.4	3.0
Control 2	6.8	9.3	4.6	6.9	2.8	5.0	1.7	3.2
Control 3	4.7	8.1	4.3	5.7	2.2	4.1	1.7	2.7

Feed consumption

	Feed consumption g on 1000 g				Feed consumption g on 1500 g			
	cycle 1	cycle 2	cycle 3	cycle Ø	cycle 1	cycle 2	cycle 3	cycle Ø
Pectin	1.530	1.601	1.560	1.564	1.500	1.548	1.535	1.528
Control 1	1.547	1.615	1.632	1.598	1.534	1.526	1.523	1.528
Control 2	1.552	1.632	1.657	1.614	1.500	1.572	1.503	1.525
Control 3	1.517	1.629	1.560	1.569	1.473	1.613	1.553	1.546

Feed costs

	Feed costs ct per kg meat			
	cycle 1	cycle 2	cycle 3	cycle Ø
Pectin	48.05	49.35	48.04	48.48
Control 1	48.90	49.32	50.68	49.63
Control 2	49.53	51.94	51.35	50.94
Control 3	47.74	51.61	45.81	48.39

agroPECT® Liquid is also used in the rearing of

- Geese:
4 weeks, dosage 2,5 %
- Turkeys:
21 weeks, dosage up to 3 % ~ age

We would be happy to advise you on individual product solutions!

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