

4				using gram	·		
Lighting Programs	Age (days)	Weight (Ibs)	Gain per day	Adjusted Feed Conv.	Percent Livability	Percent Condems	Cost (cents)
Restricted	48.7	4.73	0.097	1.86	99.2	1.42	25.93
Constant	48.7	4.64	0.095	1.88	97.8	1.93	26.19

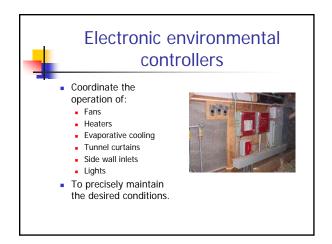
## Since the houses are power ventilated:

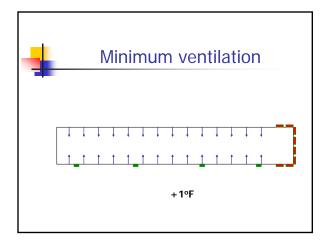
- Side wall inlet (spring-winter-fall)
- Tunnel in the summer
- The industry has discover they can now proper ventilate wider buildings

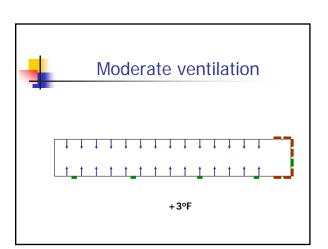


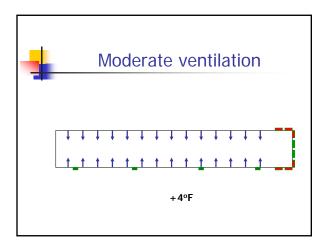


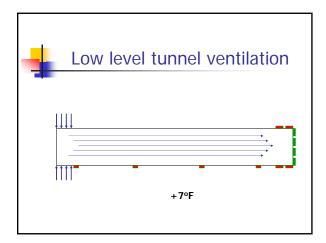


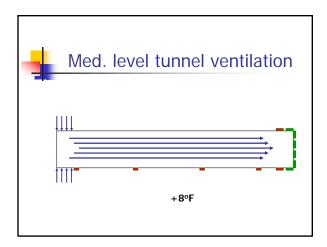


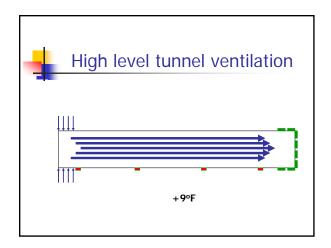


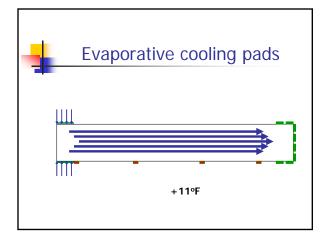


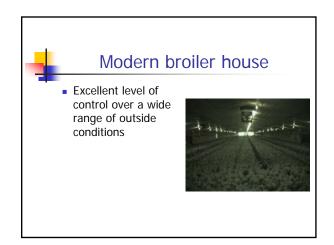


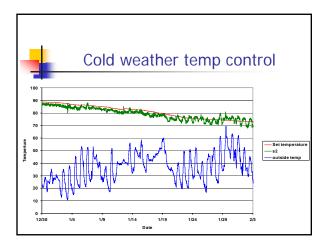


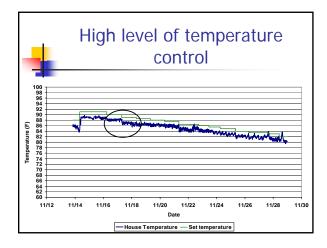


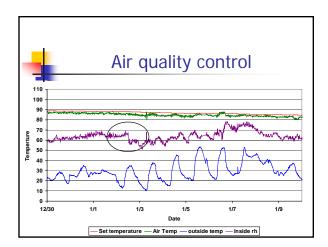


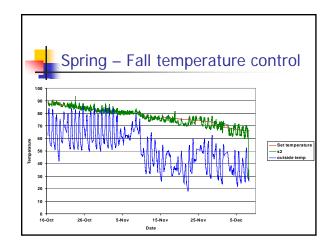


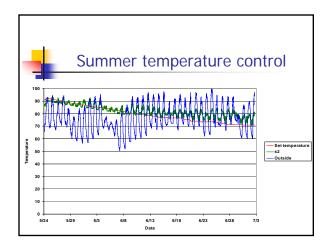


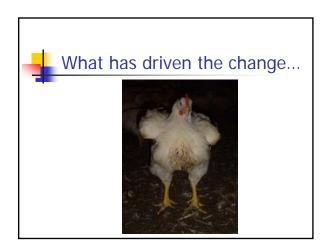


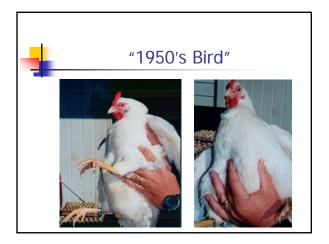




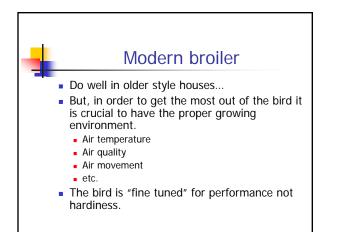


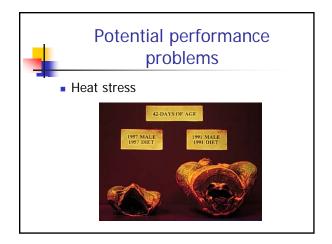


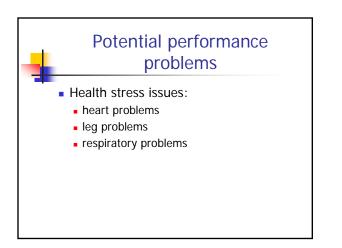


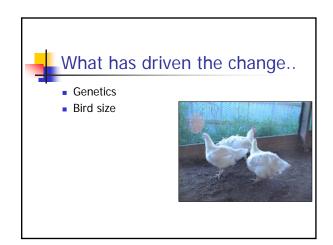


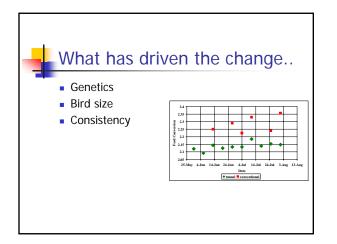


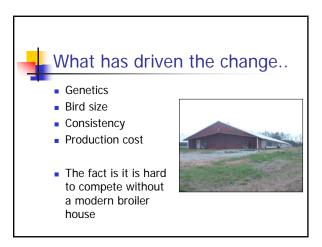


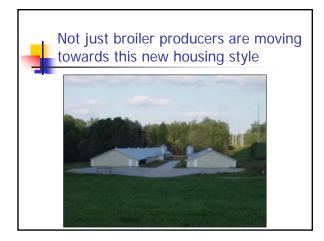


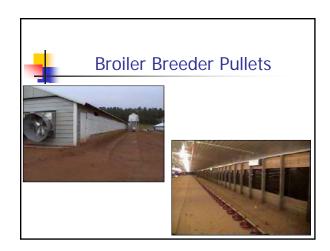


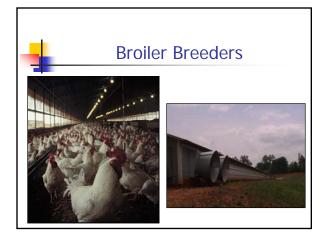


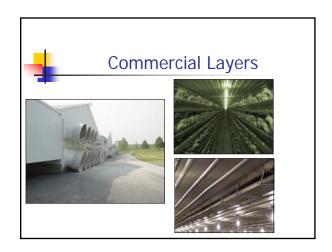




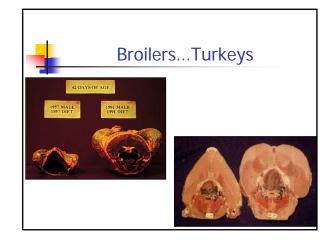


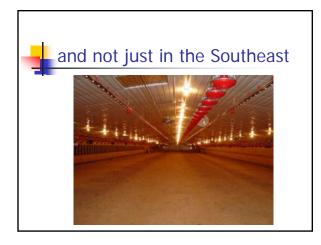




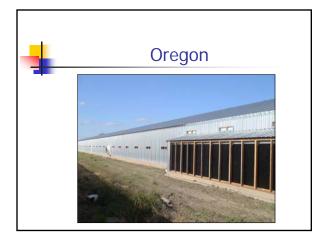












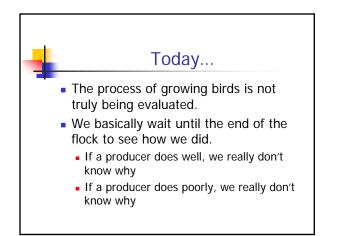


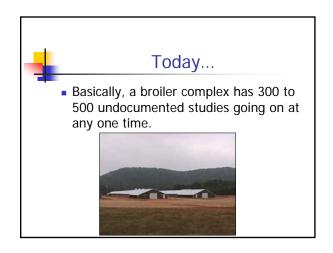








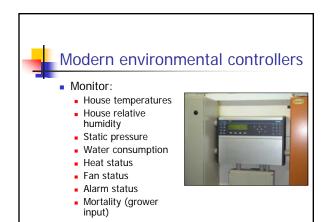




### Today... If we could monitor the process of growing chickens on a continuous basis we could learn a lot about growing chickens in a very short time.

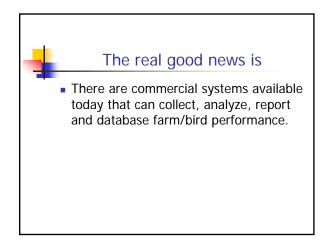


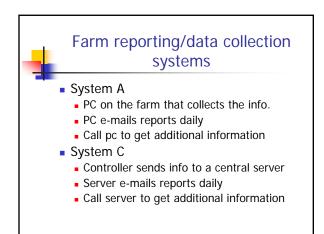


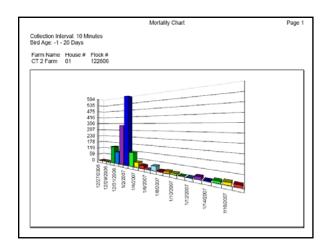


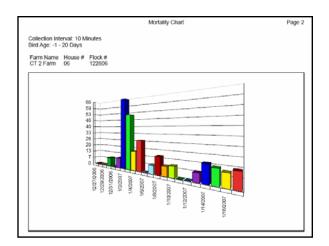


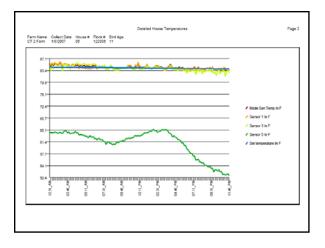


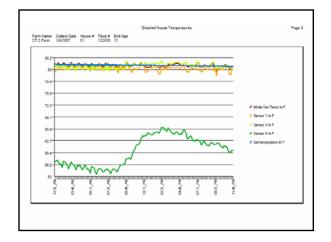


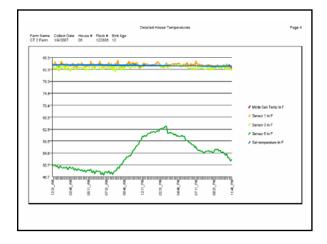


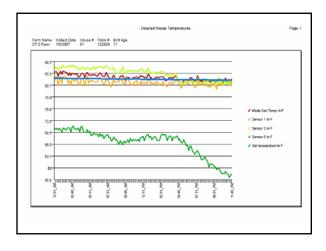


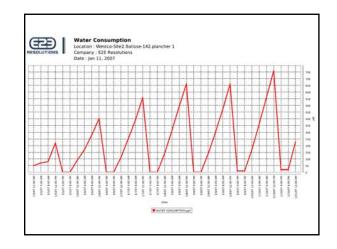




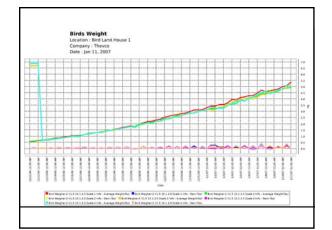


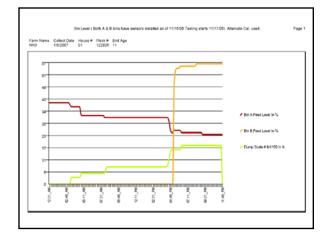






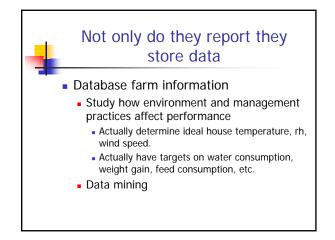
Birds Weight Laussien: Verscheid Ske2. Balsise 142 jahruher 1. Coq 8 Grouper: E. Elt Reschildres Date: Jan 11, 2007							
Date	Standard Deviation	Number of Weighings	Uniformity	Average Weight	Gain	Variation Coefficient	
Jan 5. 2007 12:00 AM	10.200	554.000	54.500	51.000	0.000	20.000	
Jan 5, 2007 4:00 AM	6.800	511.000	70.600	55.000	5.000	12.300	
Jan 5, 2007 8 00 AM	9.600	1038.000	67.700	57.000	7.000	16.800	
Jan 5, 2007 12:00 PM	11.000	1520.000	73.000	57,000	7.000	19.200	
Jan 5, 2007 4,00 PM	8.900	1907.000	73.000	60.000	10.000	14.800	
Jan 5, 2007 8:00 PM	6.700	1987.000	79.400	61.000	11.000	10.900	
Jan 6, 2007 12:00 AM	8.600	2472.000	70.200	62.000	12.000	13.000	
Jan 6, 2007 4:00 AM	7.700	668.000	74.200	66.000	7.000	11.600	
Jan 6, 2007 8:00 AM	8.800	1292.000	74.600	69.000	10.000	12.700	
Jan 6. 2007 12:00 PM	10.000	1758.000	67.000	73.000	14.000	13.600	
Jan 6, 2007 4:00 PM	8.500	2077.000	59.200	76.000	17.000	11.100	
Jan 6, 2007 8:00 PM	7.800	2117.000	58.300	80.000	21.000	9.700	
Jan 7, 2007 12:00 AM	12.400	2462.000	78.900	78.000	19.000	15.800	
Jan 7, 2007 4.00 AM	12.700	453.000	64.900	80.000	7.000	15.800	
Jan 7, 2007 8:00 AM	9.100	945.000	57.000	84,000	11.000	10.800	
Jan 7, 2007 12:00 PM	12.300	84.000	56.200	90.000	17.000	13.600	
Jan 7, 2007 4:00 PM	12.000	620.000	58.600	94.000	21.000	12.700	





Collection Inte Bird Age: -1 - 1	rval: 10 Minutes 2 Davs		
-	louse # Flock # 01 122806		
Collect Date 12/27/2006 12/28/2006 12/28/2006 12/30/2006 12/31/2006 11/1/2007 13/2007 11/2/2007 11/2/2007 11/8/2007 11/8/2007	Hs 1 Power @Max 20.5 21.5 15.4 28.3 27.4 27.7 24.6 22.4 5.8 23.7 23.1 21.1	Hs 2 Power @Max 18.6 18. 10.5 23.6 23.8 23.2 23. 23.1 20.3 19 4.1 19.9 19. 19. 19. 17.8	

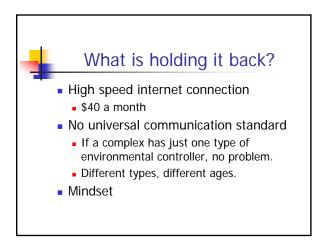




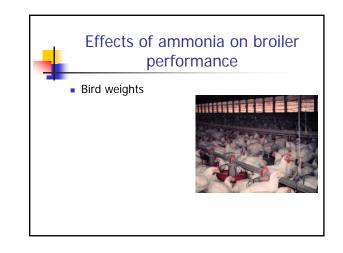


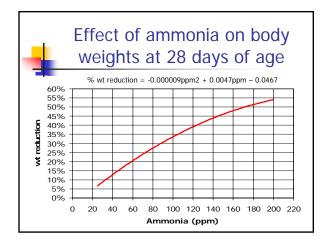


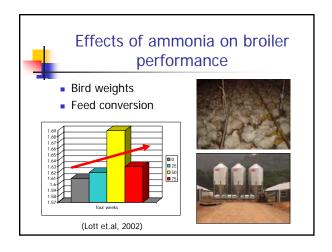


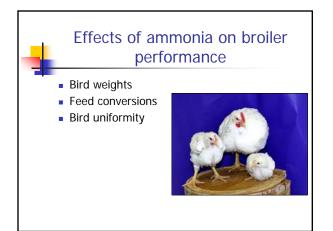


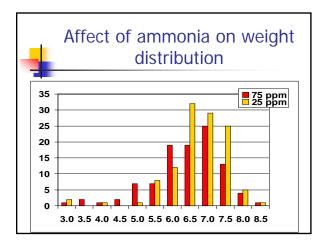


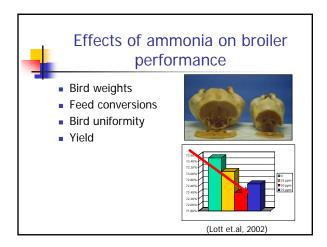


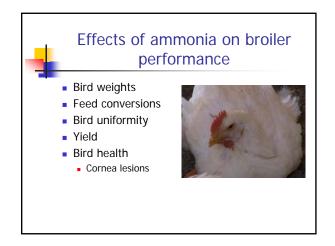


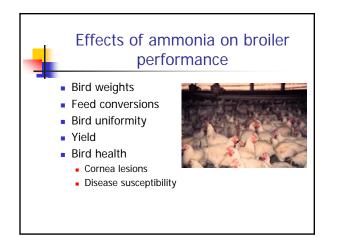


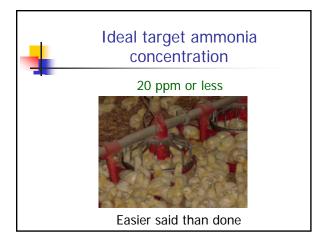


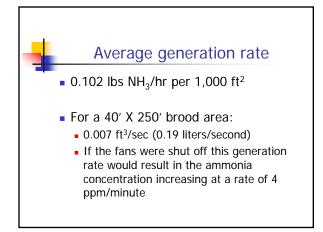


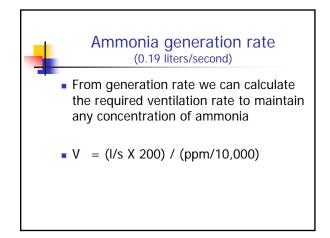


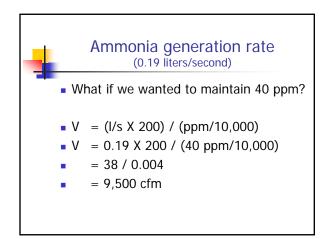


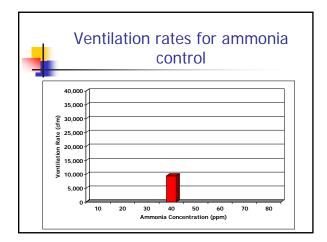


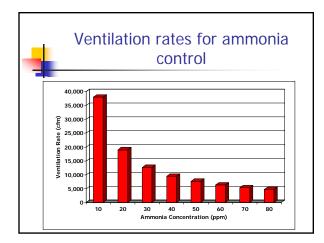


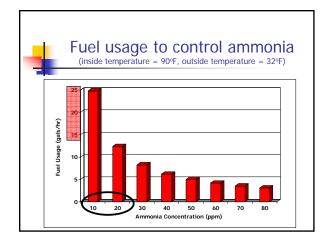


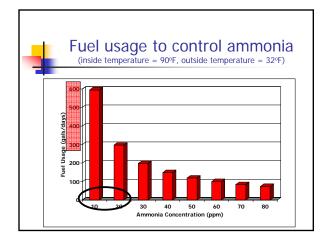


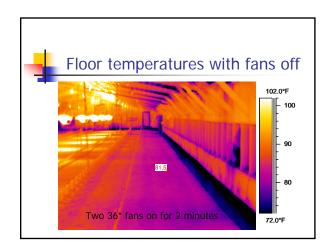






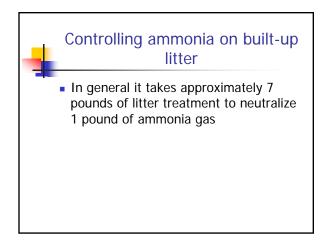


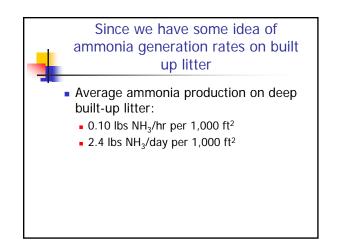




## Environmental If we could ventilate enough to keep ammonia levels low it wouldn't solve the environmental issues. Trees, etc. some help Only proven method are ammonia scrubbers. Expensive to install Expensive to operate







# We can calculate a rough idea of litter treatment requirements 170 lbs of litter treatment to neutralize all the ammonia generated per day in a 10,000 ft<sup>2</sup> brood area. 50 lbs/1,000 ft<sup>2</sup> = 3 to 6 days 100 lbs/1,000 ft<sup>2</sup> = 6 to 12 days



## Litter treatments and ammonia emissions

