

alfa chicks

suppliers of day old broilers

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For the farmer who wants to know more

The following are a few important aspects to look after:

Housing: For optimal management housing has to be correctly designed and built. This will enable you to farm with the minimal labor and losses. Important points here are:

- Sloping smoothly sealed off floors.
- High enough roof for free movement and good ventilation.
- Size and direction of house.
- Design and operation of curtains for good ventilation.
- Distance between houses and from any area where bacteria is breeding.
- Amount and kind of drinkers and feeders.
- Brooders and heat sources for small chicks.
- Footbaths in front of doors to prevent spreading of bacteria and viruses.

Disinfection and cleaning of houses before and while chicks are in houses must be done correctly, and with the correct remedies. The physical cleaning comes first - then the clinical cleaning.

Vaccinations: The vaccinations of the chicks are important to prevent virus-related diseases like Newcastle.

Feed: Feed must be of a very high standard, make sure that all the right additives like growth stimulants and Anti-coccidiosis remedies are in every lot fed to the chicks.

Medicines: The right kind and the right amount of vitamins and antibiotics must be administered.

Management: This is the most important aspect and there must be someone who cares to do it. This includes: cleaning of houses, temperature control, medicines, ventilation, vaccinations, and all other aspects in connection to chicken farming.

Remember – always one-age chicks under one roof. Never more than one group!!!

Remember it is important that the farmers of Alfa Kuikenplaas will farm successfully and we shall always be there to assist you.

From our side we try to give the best service and the best product available.

Suggested Chicken House

The photos opposite show how a chicken house should be built:

A **Sloping grano floor** worked off smoothly and sealed with "**stone sealer**". This will prevent bacteria from penetrating the porous surface and will help the cleaning process to be done correctly.

The wall on the **long side** must only be 300 millimeters high, and also smoothly plastered and sealed off with stone sealer on the inside. It may be as long as necessary to get the necessary floor space. The direction must be from east to west. The wall on the short sides must go right up to the pitch of the roof. The insides must be smoothly plastered and sealed with stone sealer. The length can be from 6 to 12 meters, depending on the length of the long sides. If the long sides are less than 20 meters the short sides must not exceed 8 meters.

The **opening** between the low wall and the roof as well as the opening in the pitch of the roof must be closed off with bird mesh.

The opening in the **roof pith** must have a flap to regulate airflow.

The **eaves** of the roof must be 1.5 meters, and the headspace inside must be high enough to stand up straight.

Curtains must be secured on the bottom and the top must be loose. Lower the curtain to open for more ventilation. Use a pulley system as seen on the photo below.

Two **doors** are used, the big door allows a vehicle in, and the small door is for daily workers. It is not necessary for a big door if the house is too small.

A **footbath** is necessary inside the house in front of the doors. Construct it in such a way that workers are forced to walk through it.

Concrete **paving** around the house will keep water and weeds away to prevent bacteria growth.

A 100 or 200-liter **water tank** on the outside to supply water to automatic drinkers and administered medicine is essential. See that it has a good lid to keep birds, insects and bacteria away.

Floor surface must allow 1 square meter per 8 birds. Supply 1 automatic drinker and 3 tube-feeders per 100 birds.

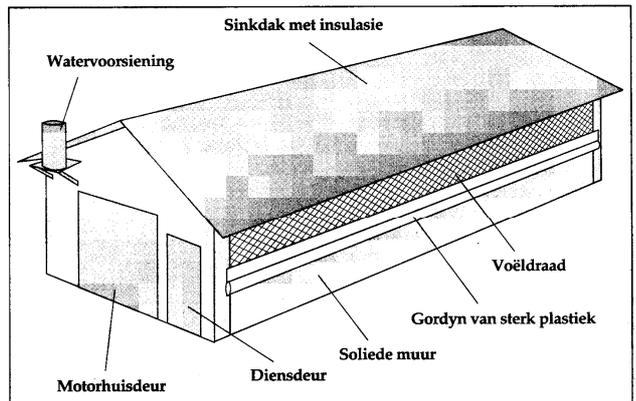
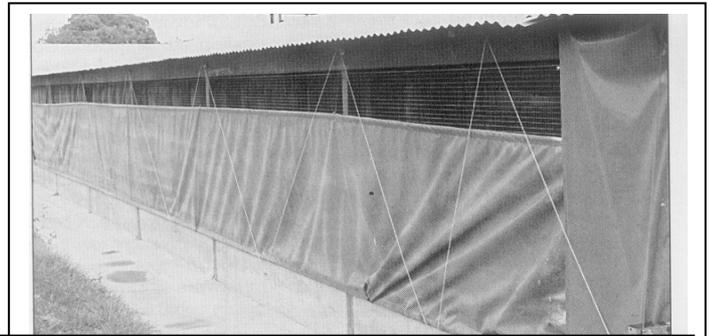


Fig.(3-2) Konveksiehuus met staandak.



Placing of birds:

Screen a quarter of the house off with a plastic sail to get a **tent effect**. This will prevent energy loss. Get the temperature to the desired level before chicks are placed. Keep plus minus 2 weeks in tent then take it off. Ensure that tent always has good **ventilation**.

Give ventilation from day 3 and increase rapidly every day, dependable on the weather. **Never close ventilation** completely. Rather supply more heat.

Use a fan heater with other heat sources in house; ensure **no direct** wind near ground level. (Draught)

Screen a quarter of the house off of the rest with a plastic sail to get a **tent effect**. This will help to prevent energy loss. Get temperature to desired level before chicks are placed. Keep plus minus 2 weeks in tent then take off. Ensure that tent always have **good ventilation**.

Give ventilation from day 3 and increase rapidly every day, dependable on the weather. **Never close ventilation** completely. Rather supply more heat.

Use a fan heater with other heat sources in house, ensure **no direct** wind near ground level.

Management program.

1. Clean and disinfect houses and equipment prior to placing birds. **Methods:** Take out all litter. Dispose of litter not near houses. Wash house from top to bottom with hi-pressure machine or scrub with soap and water. Wash roof, walls, floors and equipment. Rinse every part thoroughly with clean water. If floor is constructed correctly, all the water should drain out of the house. Leave to dry. Spray whole house and all equipment with Virukill or Virkon S.
2. Put a bedding of white pine **shavings**, 100mm thick on floor. This bedding must be turned over every week to prevent it to from forming a hard crust. Change shavings where they get wet.
3. Provide enough **water drinkers and feeders**. 1 Automatic drinker and 3 Tube feeders per 100 chicks. The first 3 days 2 extra 4-litre founts per 100 chicks should be provided. See that water drinkers are correctly adjusted and that there are no leaks.
4. Fosbac plus T and Vitamins must be in drinking water for first 3 days. See the medicine program.
5. **Temperature** must be stabilized 3 hours before chicks arrive at farm. The ideal temperature for day old chicks is between 32°C and 35°C. lower the temperature every second day with ½ degree Celsius. At 28 days a temperature of 20°C must be achieved.
6. **Ventilation:** give more everyday as chicks grow. Allow food ventilation from day 2. Never reduce ventilation to achieve a desired temperature – give more heat on chicken level.
7. Feed **Broiler starter crumbs** of a very high standard for the first 21 days (2 bags – 50kg each- per 100 chicks). Feed **Broiler growing pellets** from day 22 to 42 (5 bags – 50kg each – per 100 chicks). Use feed with an additive against Coccidiosis. From day 43 give **Broilers finisher** (50kg). **This is recommendation only and is subject to management, feed quality, feed range and climate.**
8. Vaccinate he correct days and with the correct method and always use vitamins 2 days before and 2 days after vaccination. Use vitamins 2 days before chickens are to be caught.
9. Keep good record of culls, deaths, feed used, temperature, medicine and vaccinations given.
10. Buy a book from us about broilers, please see pricelist.
11. Look after your business and be there at least twice a day.
12. Enjoy your farming and make a good profit.

Medicine program

Day	Vitamines	Bactefort	Newcastle ND	Bronchitus	Bedgen 40
1	Yes	Yes			
2	Yes	Yes			
3	Yes	Yes			
4	Yes			If recommended after tests	
5	Yes				
6					
7					Yes
8					Yes
9					Yes
10					Yes
11					
12	Yes				
13	Yes				
14	Yes		Yes		
15	Yes				
16					
17					
18					
19	Yes	Yes			
20	Yes	Yes			
21	Yes	Yes			
22					
23					
24					Yes
25					Yes
26	Yes				Yes
27	Yes				Yes
28	Yes		Yes		Yes
29	Yes				
30	Yes				
31					
32					
33	Yes				
34	Yes				
35					
36					
37					
38					
39					
40					
41	Yes				
42	Chickens are ready to be caught and slaughtered.				

- a. Spray Virukill once a week in house, and Virukill mist over chicks.
- b. Gumborro vaccination must not be administered unless you are advised to use it on the farm.
- c. If birds must be slaughtered, don't feed them from the previous day. This enables a cleaner slaughtering process. The crop will come out clean and easy.

How to use vaccines and medicines

Vaccines

All the freeze-dried vaccines in the small bottles have to be mixed and administered the same way. As follows; withdraw water 1 to 2 hours before mixing vaccine, dependable on weather, to get chicks thirsty. The smallest doses are 1000: Use **1-liter water per bottle for every day old of chicks**. Now you have a solution for 1000 chicks. If you have less than 1000 chicks start mixing as for 1000 chicks then use only pro-rata the correct amount for your amount of chicks. I.e. if you only have 400 chicks use only 400 milliliter of the solution for every day that they are old. Here is an example. If you want to vaccinate 700 chicks against Newcastle on day 14 - Use 1 bottle Newcastle Avinew vaccine and mix 14 litre water. From this solution only use $7 \times 14 = 9.8$ litre (7 = per day x 14 days) of formula is (amount of chicks ÷ 1000 x days). Dispose the rest in the sun on dry ground. Mix this solution with one desert spoon skimmed milk for virus to life longer. Put out in a lot more drinkers as usual to ensure every bird have got immediately a drinking space. 3 drinkers per 100 chickens will be efficient. After about 1 hour when solution is finished open fresh water again.

Oxytetracycline (OTC)

For the treatment of sensitive bacterial diseases. Use as instructed. Instructions included on sachet.

Vitamines for stress

Use at **5-milliliter powder on 8-liter water** or in bulk at **100 gram on 200-litre water**. See medicine program on with days to administer. Vitamins build up the chicks' resistance against diseases. Carmino + contained added amino acids.

Kitasamycin

For the prevention and treatment of Respiratory Mycoplasmosis. **Mix 100g in 200Lt Water** for 3-5 days to reach a solution of 0.05%.

Cosumix

A Broad spectrum antibiotic for assistance in bacterial infections as well for the treatment of Coccidia and Coryza. **Administration is 24mg per litre drinking water for 1 to 5 days, withdrawal period is 1 day.**

AS WELL AS

Used for treatment against E-coli and other secondary bacterial infections. E-coli is a stress-related infections and its course are directly linked to poor ventilation. If chicks do not get enough ventilation from day 1, they will get E-Coli.

Bactefort

A broad spectrum bacteriostatic antibiotic effective for the prevention and treatment against Gram Positive and Gram Negative bacteria, as well as Mycoplasma. It is used against bacterial challenges prevalent in poultry during the production cycles that are sensitive towards oxytetracyclines. For growth promotion and increased feed efficiency. **Administration is 0.5mg per litre in drinking water or 100mg live mass per day.**

Coli-Mix

For the treatment of secondary bacterial infections in poultry sensitive to sulphamethoxyperidazine and trimethoprim

Super Air

Used for the relief of heavy breathing in cases of swollen head syndrome and with trouble of breathing. **Mix 25ml with 2 liters water. Mix with 100 liters drinking water.** Super air is not an antibiotic and should not be given together with antibiotics

Bedgen 40

Bedgen-40 Liquid is a liver modulator with Choline Chloride and Cynara extract, revitalizing the liver and improving liver function. A healthy liver improves the chick's ability to utilize the feed optimal. Use for 4 days continued in drinking water- **20ml / 10litre water.**

Superstart

Superstart improves significantly early activity by: boosting antioxidant & electrolyte levels, increase energy availability, thereby, assisting in digestion and enzyme stimulation. **Give for first three days for six hours, 2 kg per 1000-liter water.**

Gutpro

Waterlines treatment with the main objective of reducing pathogen levels and organic levels in the water lines and improve gut health. Used in salmonella control programs. **From day 5, once per week. 5 ml per liter water.**

Eliminator

An odour ant anti-microbial product for use in wet manure problem areas and for treatment of wet areas and bad smells. Will dry out manure, wet spots & prevent bacterial growth and fend off flies. Scatter over wet spots. **150 – 200 grams per square meter.**

Disinfectants

Virukill

This is the newest on the market and is tested by Onderstepoort, SABS and Irene experimental station. It seems to be a very good product against **viruses and bacteria**. Use to disinfect houses prior to placing chicks. Also use as a weekly mist-spray over birds as well as on walls and litter. Use continuously in drinking water to stop bacteria spreading between chicks. Virukill have no irritating effect on chicks, and no corrosive effect on metal. Use as described on bottle.

DRM Electric Brooder

500	Watt
230	Volts
2.4	Amps
210 mm	Height
390 mm	Diameter
1.7 Kg	Weight

One brooder per 300 chicks in the winter is advised en one brooder per 400 chicks in the summer is advised. Subjected to climate / area and house material.

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ALFA CHICK'S PRICELIST

Day old Broilers vaccinated against ND

Alfa Chicks and management reserves the right to change any prices without any prior notice

<u>Price increase as from</u>		<u>10/05/2021</u>			
<u>Quantity</u>	<u>VAT excl</u>	<u>VAT incl</u>	<u>Delivery</u>	<u>VAT and Del incl</u>	
1 to 99	R8.33	R9.58	R85.00		
100 to 499	R7.91	R9.10	R85.00	R995.00	
500 to 999	R7.83	R9.00	R80.00	R980.00	
1000 to 2999	R7.74	R8.90	R75.00	R965.00	
3000 to 4999	R7.65	R8.80	R65.00	R945.00	
5000 to 9999	R 7.57	R8.70	R60.00	R930.00	
10000 to 14 999	R7.48	R8.60	R60.00	R920.00	
15 000 and more	R7.39	R8.50	R55.00	R845.00	

Equipment

Price per item

10 litre Water fount	1 per 100 chicks	R 159.00
12 litre water fount	1 per 120 chicks	R 190.00
Automatic Water fount with ballast	1 per 100 chicks	R 360.00
Bulk Chick Feeder	3 per 100 chicks	R 75.00
Ribbed Tube feeder	3 per 100 chicks	R 218.00
Infrared Lamp (250 watt)	2 per 100 chicks	R 210.00
Porcelain Lamp holder	as needed	R 25.00
DRM Electric Brooder	1 per 300 chicks	R 885.00
Live bird crates	Per crate	R 413.00

Vitamins

Vitastress	950g	R 202.00
Anchorvite vitamin	100g	R 27.00

ANTIBIOTICS & MEDICINES

Kitasamycin 10%	100g	R 55.00
Bedgen 40 Antioxidant	250ml	R 113.00
Bedgen 40 Antioxidant	1litre	R 257.00
Oxytetracycline (OTC)	200g	R 56.00
Eliminator	4kg	R 164.00
Cosumix	200g	R120
Cosumix	100g	R70
Coli-Mix	25g	R55.00
Gutpro	1 Liter	R 78.00
Super Air	500 ml	R 288.00
Superstart	1 L	R 63.00
Bactefort	1kg	R800.00
Bactefort	100g	R80.00

Disinfectants

Virukill	250 ml	R 75.00
Virukill	1Litre	R 195.00
Virukill	5Litre	R 675.00
RBT Eco Residual Sanitizer	20 Liter	R 380.00
GPC 8	5 Liter	R 380.00

Soap

Shift	5 Liter	R 155.00

Books

Chicken Production – D.R. Jean Cilliers (Book)	Eng/Afr	R 252.00
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Vaccines

New Castle	1000 dosis	R71.00
Gumorro	1000 dosis	R87.00

All above prices includes VAT