

Laying period



# General

Keep hens healthy

Maximum production

Efficient production

Recommendations of breeder manual for equipment

Good quality of produce

# Feeding management

Feed consumption should increase in the right way

If not a mid-night snack can be given

Start feed of different phases at right time

Calcium contents of the diet; at start of lay some bird have high requirement

Avoid fatty livers

# Light

## Windowed houses

- natural day length just before laying period starts
- Increase till 2/3 of top production is achieved
- No decrease of light
- During night minimum 40 lux at hen level
- In warm period a little bit of light in middle of night to stimulate feed consumption?



Solar panels



Batteries



Time switch



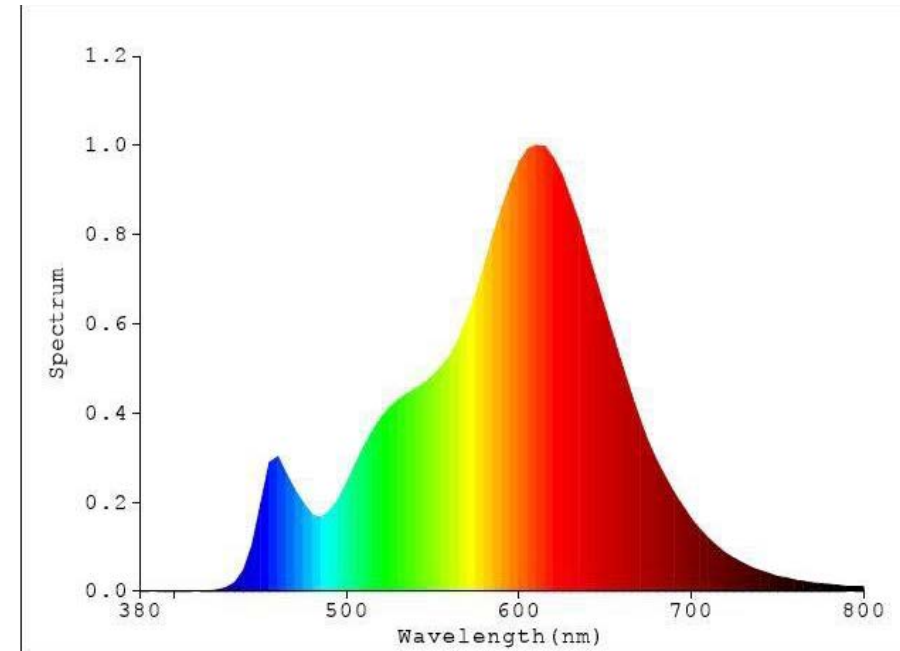
LED lamps



# Colour of the LED light

2600K - 2700K lamps

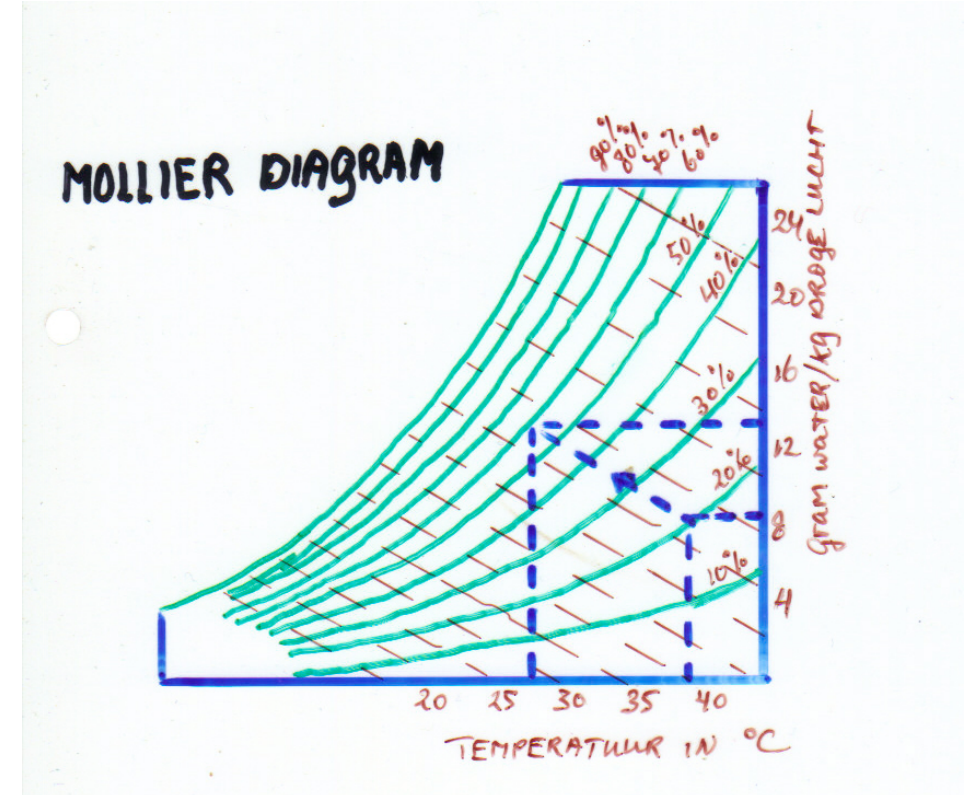
Layers need red light part of spectrum



# Climate control

## Warm periods

- water evaporation or fogging
- avoid sharp falls in temperature
- vitamin C
- fat in formula



No obstruction of air in inlets

Maintenance

Avoid areas in the hen house with no/ little air movement

If feed consumption decreases: turn light on for 1-1,5 hours in the night



# Daily work

Each day the poultry attendant has to check the following things:

- obstructions for feed/drinking equipment
- birds
  - behaviour
  - colour of eyes and comb
  - mortality
  - sound
  - manure

- Functioning of drinking system
- Registering water consumption
- Check for vermin

# Vermin control

Important in layer operations:

- egg rests
- feed rests
- manure

are feed for vermin:

- rats and mice
- flies
- bugs



# Damage caused by vermin

Possible source of diseases

Feed consumers

Agitation

# Rats and mice

- 1) Clean houses
- 2) Make a program for bait placement
- 3) Use different chemicals alternately
- 4) Check in remote parts of the house

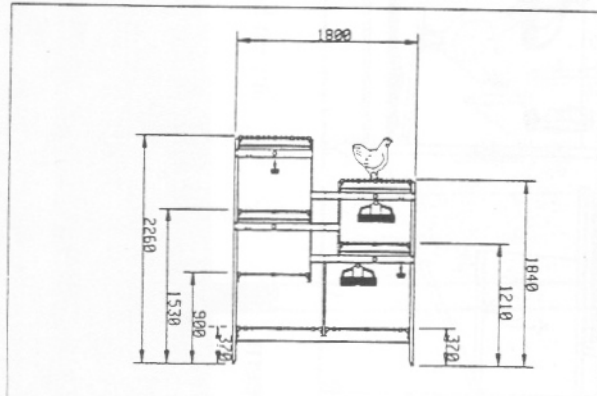
# Other bugs

Red mite

Beetles

- not harmful for hens
- can transmit diseases

# Alternative to floor: Aviary system



demonstratieproject  
 welzijnsvriendelijke huisvestingsystemen  
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**1** Scharreiruimte  
**2** Legnesten  
**3** Rustétage  
**4** Voergoot  
**5** Drinknippels  
**6** Zitstokken  
**7** Mestbanden  
**8** Aanvliegplateau

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Thank you