
Giraffe Nutrition in Zoos

Survey in the context of a PhD-project at the University of Bonn about feeding captive giraffes

In accordance with the EEP stud book coordination
(Joerg Jebram, Zoom Erlebniswelt Gelsenkirchen, Germany)

Please give information on your current regular feeding practice in summer and winter.

Feel free to quantify feed supply for the whole group.

If possible, use units like kg or litres for your specifications and weigh/estimate weight of feedstuffs in original condition (e.g. unsoaked beet pulp).

For further information or questions do not hesitate to contact:



Please return this survey in your preferred way by mail, fax or post until 31 August 2013. For possible call back I would like to contact you by phone.

General information

Institution (name)	
Person responding to survey (name, position)	
Contact details for further enquiry (phone, mail)	
Age (date of birth) and sex of giraffes	
Subspecies	

A. Nutrition in summer

A1. Hay and fresh green



Ad libitum and/or estimated amount in kg

- Lucerne hay ad libitum kg per day per week
- Fresh lucerne ad libitum kg per day per week
- Grass hay ad libitum kg per day per week
- Fresh grass ad libitum kg per day per week

A2. Browse



Fresh browse (estimated amount in kg and/or number of branches (< 2m) or trees (> 2m))

- kg per day per week
- branches (< 2m) per day per week
- trees (> 2m) per day per week

Mainly provided types of fresh browse

- Birch Willow Oak Ash Robinia
- Hazelnut Beech

Dried browse (weighed or estimated amount in kg or litres)

- kg litres..... per day per week

Mainly provided types of dried browse

- Raspberry Blackberry Mixed berry leaves Robinia
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Further peculiarities concerning roughage and browse feeding during summer:

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B. Nutrition in winter

B1. Hay



Ad libitum and/or estimated amount in kg

- Lucerne hay ad libitum kg per day per week
- Grass hay ad libitum kg per day per week

B2. Browse



Branches without leaves (estimated amount in kg and/or number of branches (< 2m) or trees (> 2m))

- kg per day per week
- branches (< 2m) per day per week
- trees (> 2m) per day per week

Dried browse (weighed or estimated amount in kg or litres)

- kg litres..... per day per week

Mainly provided types of dried browse

- Raspberry Blackberry Mixed berry leaves Robinia
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Further peculiarities concerning roughage and browse feeding during winter:

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A3. Concentrates and produce



Concentrates (weighed or estimated amount in kg or lit per day)

- kg litres
- Zoopellets (for Herbivores/Ruminants)
- Lucernepellets..... Lucernecobs.....
- Rolled oats
- Oat flakes
- Wheat flakes
- Wheat bran.....
- Maize
- Beet pulp
- Soy.....
- Linseed
-
-
-

Produce (weighed or estimated amount in kg or litres (unchopped) per day)

- kg litres
- Carrots..... Apples
- Kohlrabi.....
- Celery..... Cabbage.....
- Beetroot.....
- Radish..... Salads.....
- Bananas.....
- Amount of additional fruits
- Amount of additional vegetables

Further peculiarities concerning concentrate and produce feeding during summer:
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B3. Concentrates and produce



Concentrates(weighed or estimated amount in kg or lit per day)

- kg litres
- Zoopellets (for Herbivores/Ruminants)
- Lucernepellets..... Lucernecobs.....
- Rolled oats
- Oat flakes
- Wheat flakes
- Wheat bran.....
- Maize
- Beet pulp
- Soy.....
- Linseed
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-
-

Produce (weighed or estimated amount in kg or litres (unchopped) per day)

- kg litres
- Carrots..... Apples
- Kohlrabi.....
- Celery..... Cabbage.....
- Beetroot.....
- Radish..... Salads.....
- Bananas.....
- Amount of additional fruits
- Amount of additional vegetables

Further peculiarities concerning concentrate and produce feeding during winter:
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1 **C. Additional questions**

2 **C1. Hay**

3 Presentation of lucerne hay/grass hay

4 Filling racks with fresh material per day

5 Summer: Indoor One time Two times > two times

6 Outdoor One time Two times > two times

7 Winter: Indoor One time Two times > two times

8 Outdoor One time Two times > two times

9 Re-fluffing of material per day

10 Summer: Indoor One time Two times > two times

11 Outdoor One time Two times > two times

12 Winter: Indoor One time Two times > two times

13 Outdoor One time Two times > two times

14 Provenance of lucerne/grass hay (region and/or provider)

15 **C2. Concentrates and produce**

16 Feeding of concentrates

17 Summer: Morning Noon Afternoon/evening

18 Winter: Morning Noon Afternoon/evening

19 Feeding of produce

20 Summer: Morning Noon Afternoon/evening

21 Winter: Morning Noon Afternoon/evening

22 Provider and/or product labeling of used pelleted feeds

23 Lucerne pellets/-cobs

24 Zoopellets (Herbivores/Ruminants)

25 Beet pulp products

26

27 **C3. Additives and water**

28 Used additives

29 Selenium Reformat Feed lime Vitamins Mineral lick

30

31 Water access

32 Indoor with self-drinkers with bucket or basin

33 Outdoor with self-drinkers with bucket or basin

34

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Thank you for your cooperation and kind support