

Supplemental Information S1. Survey respondent voluntary comments on subject diets at their institution. Respondent comments are provided largely verbatim and are segregated by dietary category. The number of respondents making the same comment is indicated in parentheses.

Non-citrus fruits

Apples, banana, honeydew daily
 Fruit-free diet (4)^a
 Keeper chooses available fruit
 Male subject is insulin-dependent diabetic
 Minimal fruit, used for enrichment and training
 Rotational diet includes novel 4x week
 No grapes
^aDiets contain neither non-citrus nor citrus fruits

Citrus fruits

2-4% (of diet) daily
 Citrus 1x week
 Citrus given infrequently due to sensitivity
 Few slices of orange daily
 No citrus fruit (2)^b
 No specific amount of citrus specified
 Nominally no citrus fruit (but used as a treat).
 Only a few pieces of citrus
 Only citrus is orange
 Pineapple on occasion
 Rarely given
 Small amount of citrus 3x week
 Small amounts 2x week
 Varies daily
^bDiets contain non-citrus, but not citrus, fruits

Vegetables

2 heads of greens per animal daily
 30% of diet is produce, incl. equal amounts of fruits & vegetables daily
 5 different vegetables (from a larger pool) daily
 leafy greens in a.m., greens and root vegetables in p.m.
 major green based diet
 No tomatoes or potatoes
 non-starchy > starchy vegetables (2)
 Spinach, kale, celery daily
 Use high-protein kale and spinach over lettuce, when available

Protein

~25% leaf eater pellet and trio munch. Also beans in diet, not daily
 ~4 Leafeater biscuits per animal and 1/2 an egg twice a week
 10% (Mazuri leafeater biscuits daily, on rotational basis is hard boiled eggs, Mazuri Old World biscuits, cooked white rice, peanuts, etc)
 10% primate pellet (OWM and leaf eater), 2% seeds, 2% pulses and 1% nuts (usually peanuts)
 15%, monkey biscuits (Mazuri Primate Growth & Repro and Mazuri Leaf Eater) as well as hard boiled eggs
 20% is monkey biscuits made into a gruel; each of our gibbons gets 2 hardboiled eggs per week
 2-5% maybe, he gets 4 monkey biscuits per day, doesnt usually eat them and hard boiled egg 1x/week
 30% includes mazuri browse biscuits and Zupreem canned primate, hard boiled egg three times per week
 45%. Each siamang gets half a boiled egg per day.
 5% daily biscuits, hard-boiled egg on occassion.
 5MO2 biscuits twice a day. The Siamangs also receive high fiber biscuits. We use hard boiled eggs for enrichment only once every other week

6-15% (eggs are only given 1x/week)
 Adult diet = 6% dry chow + 6% canned primate diet; Juvenile diet = 7% dry chow + 9% canned primate diet
 alternate days between Mazuri leafeater and Mazuri primate maintenance
 Beans occasionally. 45% pellet based (leafeater, MP, Browser Breeder).
 Depends on the individual
 egg, cooked chicken, legumes. Nothing filled with preservatives is fed
 Ours aren't very fond of hard boiled eggs or chow- soaked or dry.
 We have been offering cooked turkey and chicken (~1x/wk) and chow cake (chow powder, flour, banana, sweetener, peanut butter and then baked)
 Probably 25%, kidney beans, hard boiled egg twice a week, free choice biscuits
 receive 100g of protein daily each

Enrichment

1 food item 3 non food items a day
 1 oz grape, apple juice, melon for training
 70% of diet is fed out in an enriching manor
 any food is taken out of their diet so no extra's. if enrichment based it is done to encourage foraging rather than just an activity feed
 Browse or forage type foods; varied between nuts, seeds, grains, timothy, yogurts, applesauce, raisins, etc.
 dry forage is added on days when diet does not include novel fruit
 Eat 8x/day
 Effort is made to offer the diet in novel/enriching ways and a seed/ grain mix (~25 g each) is offered daily
 even less than this because the male is food aggressive so only offered in tiny amounts very rarely
 It varies but we try and give it daily but doesn't always work out that way. Mixture of hanging baskets, tubes, roof fed, balls etc.
 Most get enrichment every other day either 'food', 'sensory' & 'other'. One group gets enriched daily including scatters and other items
 Most often is forage items like cereals or craisins. Also receive eggs, popcorn, ice cubes, oatmeal, or jello on occasion
 Novel food items, novel presentation
 On a daily basis our siamangs receive 2tsp. flax seed and 11tsp. Hi-Maze resistant starch. This is a supplement we give them each day to help with their loose stool. We find that it tends to help the male some but not the female
 Only get 35g of fruit per siamang per day
 Seeds, insects, nuts
 Some keepers do it more than they're supposed to
 They get food based enrichment 1x every two weeks
 Try to not free feed, utilize their diet in one of two daily enrichments
 Unfortunately there is not much time for enrichment....
 Usually presentation- but also includes novel food items
 We use part of their diet