

# CARES



California Animal Response Emergency System

## Animal Feed Calculation Protocols Standard Operating Procedures for a California emergency

### Cats

Assume 4kg average weight and 90Kcal/kg energy requirement (according to NRC) = 360 Kcal per day. Since cat food averages about 400 Kcal/8oz of dry food, you can use that figure. 5.5 oz cans of wet food average about 200 cal and if you feed 1/4 can per day per cat, that would be 50 Kcal and reduce dry food to 7oz per day.

- *Dry Cat Food Requirement*

# of cats x 8 oz = \_\_\_\_ ounces per day / 16 = \_\_\_\_ pounds per day of dry cat food if ONLY feeding dry food.

# of cats x 7 oz = \_\_\_\_ ounces per day / 16 = \_\_\_\_ pounds per day of dry cat food and canned cat food.

\*Most dry cat food comes in 20 lb bags

- *Wet Cat Food Requirement*

# of cats x 0.25 = \_\_\_\_ 5.5 oz cans of cat food per day.

\*Most canned cat food comes in 24 can boxes at 5.5 oz per can

### Dogs

Assume 20 kg average and 50Kcal per Kg = 1000 Kcal per day Dry dog food averages about 350 Kcal per cup, so that's just under 3 cups (20 oz) or 1.25 lb. Canned dog food averages 13.2 oz per can with 29cal/ oz and if you feed ½ can per day, that would be 200 kcal which would lower your requirement to 2 cups of dry food per day or 0.75 lbs.

- *Dry Dog Food Requirement*

# of dogs x 1.25 = \_\_\_\_ pounds of dry dog food daily if feeding ONLY dry food

# of dogs x 0.75 = \_\_\_\_ pounds of dog food daily if feeding dry food mixed with canned food.

\*Most dry dog food comes in 40 lb bags

- *Wet Dog Food Requirement*

# of dogs x 0.5 = \_\_\_\_ 13.2 oz cans of dog food per day

\*Most canned dog food comes in 13.2 oz cans in boxes of 12 cans

### **Horses**

NRC guidelines indicate that a horse averaging 1,100 lbs of body weight requires 16.4 MCal per day to maintain body weight at rest. As a general rule, one can assume that alfalfa has 1.2 MCal per pound, oat hay 0.9 MCal per pound, and grass hay 0.9 MCal per pound. General recommendations also indicate that a horse should consume in hay 1 to 1.5% of its body weight per day (11 to 16.5 pounds). That equates to around 6 to 9 pounds of hay per feeding if feeding twice daily.

- Alfalfa Hay (1.2 MCAL/ lb) : 14 pounds required per day to meet DE requirements (7 pounds twice daily is roughly equivalent to 1 flake twice daily.)
- Oat Hay (0.9 MCAL/ lb): 18 pounds required per day to meet DE requirements (9 pounds twice daily is roughly equivalent to approximately 1.5 flakes twice daily.)
- Grass Hay (0.9 MCAL/ lb): 18 pounds required per day to meet DE requirements (9 pounds twice daily is roughly equivalent to approximately 2 flakes twice per day)

Assumptions:

- \*Only hay will be fed to horses being sheltered during disasters
- \*Shelters will feed a minimum of 2 times per day
- \*There are approximately 12 to 14 flakes in a bale (a small 3 string bale weighs approximately 110-135 pounds
- \*Approximately 16 small bales (3 string) = 1 ton

### **Cattle**

For lactating/ gestating cattle (assume that hay is being fed)

Body Weight	Dry Matter Intake, (lb) of hay
1100	25.1
1200	26.5
1300	30.7
1400	32.4
1500	34.1

1600	35.8
1700	37.5
1800	39.1
1900	40.8
2000	42.2