



Conversion of Meat Exports to Corn Equivalents

To Convert Pork Meat to Corn Equivalent:

Key Numbers:

- .72 is the meat to live weight conversion.
- 4.2 is the feed conversion ratio.
- .78 is the percentage of corn in the feed.

To calculate for pork:

- First: Take pork meat number and divide it by .72 to get live weight number.
- Second: Multiply this amount by 4.2 to get total amount of feed per live weight.
- Third: Multiply this number by .78 to get amount of corn to produce 1 kilogram of meat.

For example, for 1 kilogram of pork:

- $1/.72=1.389$ kilogram live weight
- $1.389*4.2=5.833$ kilogram of total feed
- $5.833*.78=4.55$ kilogram of corn used

To Convert Poultry Meat to Corn Equivalent:

Key Numbers:

- .71 is the meat to live weight conversion.
- 2.1 is the feed conversion ratio.
- .73 is the percentage of corn in the feed.

To calculate for poultry:

- First: Take poultry meat number and divide it by .71 to get live weight number.
- Second: Multiply this amount by 2.1 to get total amount of feed per live weight.
- Third: Multiply this number by .73 to get amount of corn to produce 1 kilogram of meat.

For example, for 1 kilogram of poultry:

- $1/.71=1.408$ kilogram live weight
- $1.408*2.1=2.958$ kilogram of total feed
- $2.958*.73=2.16$ kilogram of corn used

To Convert Beef to Corn Equivalent:

Key Numbers:

- .62 is the meat to live weight conversion.
- 7.4 is the feed conversion ratio.
- .60 is the percentage of corn in the feed.
- .40 is the percentage of total weight that takes place in feed lots (i.e. corn is used).

To calculate for beef:

- First: Take beef meat number and divide it by .62 to get live weight number.
- Second: Multiply this amount by 7.4 to get total amount of feed per live weight.
- Third: Multiply this number by .60 to get amount of corn in feed to produce 1 kilogram of meat.
- Fourth: Multiply this number by .40 to get actual amount of corn used in a feed lot to produce 1 kilogram.

For example, for 1 kilogram of beef:

- $1/.62=1.613$ kilogram live weight,
- $1.613*7.4=11.936$ kilogram of total feed
- $11.936*.60=7.16$ kilogram of corn used to produce a kilogram (in a feed lot)
- $7.16*.40=2.864$ kilogram of corn