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