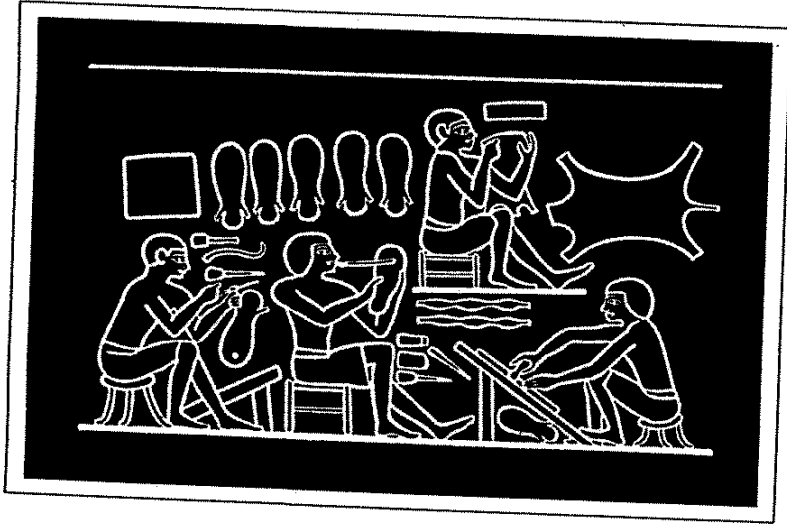


COMMODITIES AND TRADE DIVISION



Global compendium on conversion factors for raw hides and skins and leather

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS



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INTRODUCCION

Una de las peticiones formuladas por la segunda reunión del Subgrupo, fue que la Secretaría actualizara un compendio preparado en 1981 que contenía factores de conversión para los cueros y las pieles sin curtir, los curtidos toscos y los acabados factores que eran necesarios a nivel mundial para comparar los datos relativos a distintos niveles de elaboración. Esta petición fue reiterada tanto por el Seminario FAO/CEPD sobre el Comercio de Cueros y Pieles y productos derivados en Zimbabwe en julio de 1991 y por la reunión del Grupo de Expertos de la ONUDI sobre Cuero e Industria del Cuero celebrada en la India a finales de 1991.

Por consiguiente, en la presente edición del compendio se ha procurado actualizar los pesos y superficies unitarias medias por pieza de cuero de vacuno, de becerro, de oveja, de cabra y de cerdo y sus productos curtidos derivados para unos 130 países. La Secretaría es perfectamente consciente de las continuas deficiencias de un esfuerzo de este género dada la diversidad en tamaño, peso, espesor y estructura del colágeno de los cueros y pieles y de los distintos productos de cuero. Una breve descripción de los aspectos metodológicos que conlleva el establecimiento de los factores de conversión servirá, tal vez, para ilustrar las dificultades con que se ha tropezado.

INTRODUCTION

One of the requests made by the Second Session of the Sub-Group, was for the Secretariat to update a compendium prepared in 1981 containing conversion factors for raw hides and skins, rough-tanned and finished leather required worldwide for comparing data relating to various processing levels. This request was reiterated by the FAO ECDC Workshop on Trade in Hides, Skins and Their Derived Products in Zimbabwe in July 1991 and the UNIDO Leather and Leather Industry Expert Panel in India late in 1991.

An attempt has, therefore, been made with this edition of the compendium to update average unit weights and surface areas per piece of cattlehide, calfskin, sheepskin, goatskin and pigskin and the various tanned products derived from them for some 130 individual countries. The Secretariat is very well aware of the persistent shortcomings of such an attempt, given the diversity in size, weight, thickness and collagen structure of hides and skins and various types of leather. The brief description contained in the methodological note illustrates the difficulties encountered in deriving the conversion factors.

INTRODUCTION

A sa deuxième session, le Sous-Groupe avait demandé, que le Secrétariat mette à jour le recueil préparé en 1981 qui contient des facteurs de conversion pour les cuirs et peaux bruts, les cuirs prêtannés et les cuirs finis, nécessaires dans le monde entier pour comparer les données sur les divers niveaux de transformation. Cette demande a été appuyée ultérieurement par l'Atelier FAO/CEPD sur le Commerce des Cuirs et Peaux et de leurs produits dérivés (Zimbabwe, juillet 1991) et par le groupe d'experts du cuir et de l'industrie du cuir de l'ONUDI (Inde, fin 1991).

Dans ce recueil, nous avons donc essayé de mettre à jour, pour 130 pays, des surfaces et des poids unitaires moyens pour les cuirs de bovins et les peaux de veaux, d'ovins, de caprins et de porcins, ainsi que pour les divers produits tannés qui en sont tirés. Le Secrétariat est parfaitement conscient des limitations d'une telle entreprise, compte tenu de la diversité de taille, poids, épaisseur et structure du collagène des cuirs et peaux et des divers types de cuirs préparés. La brève description des méthodes utilisées pour calculer les coefficients de conversion donnera peut-être une idée des difficultés rencontrées.

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METHODOLOGICAL NOTES

(i) General

The average unit weights and areas contained in this document are confined to those hides and skins which are domestically produced and further processed locally. Thus, no account could be taken of imported hides and skins which may be utilized in a tannery of a particular country and may be of different weight or size to those locally produced. Also, the average ratios shown refer to those believed to apply currently. Changes in the average weight and area which may have taken place over time had to be ignored. Thus, calves may be slaughtered at a younger or older age than a decade or two ago, the composition of herds may have changed from dairy to beef cattle, and within the beef herds traditional breeds may have been replaced by higher-yielding ones. It was not possible to show the effect over time of such changes on the average weight and area per hide and skin for individual countries.

(ii) Weight

The weight of a hide or skin is determined by the structure of the collagen fibres of the skin. This structure in turn is conditioned by a number of factors of a genetic, age, sex, feed or environmental nature. Numerous weight concepts are in use for statistical reporting purposes. Their respective numerical ratios depend on the technological treatment to which the hides or skins are subjected. The main weight concepts are:

- "green weight" is the weight after flaying and removing dirt and dung;
- "wet-salted" weight is the weight obtained after salting or brining. As the hides and skins lose considerable amounts of moisture in the process, "wet-salted" cattlehides may weigh 85 to 90 percent of a green hide in temperate climates and as little as 70 percent in tropical climates. For calfskins, the proportion is normally somewhat higher than for cattlehides;

- "dry-salted" weight is the weight obtained after treating the hide with salt and exposing it to air-drying. The "dry-salted" weight represents from 55 to 60 percent of the "green" weight;
- "dry" weight is the weight obtained after drying hides and skins without prior salting. It represents about 35 percent of the "green" weight;
- "pickled" weight is the weight obtained by treating, mainly skins, with a solution of sulphuric acid and salt. As more moisture evaporates than is added, it represents about 50 percent of the "green" weight.

Averages were derived from trade statistics, from text books and project reports on animal husbandry, on hides and skins and on tanning and obtained from institutions and companies active in the hides, skins and leather sector. Further, for the determination of average unit weights in any curing form, judgement had to be used based on the known conditions prevailing in the livestock and hides and skins sector in any given country. The unit weight figures obtained were cross-checked against available average liveweight or carcass weight figures and if necessary adjusted by taking into account features specific to the species of livestock typical of the respective countries.

In fact, there is some statistical ratio between the average weight of a hide, the average weight of live cattle, and the average weight of carcasses produced in any one country. A green hide generally represents some 5 to 5.5 percent of the liveweight of mature cattle. As the carcass weight accounts for up to 55 percent of liveweight a green hide accounts for some 9 to 10 percent of the carcass weight of an animal, depending on cattle breeds. In countries with a highly developed livestock sector, it appears that the average carcass weights of cattle have risen faster than of hides, i.e. the hide/weight ratio has fallen over the past decade or so. Skins obtained from calves less than two years old may represent around 7 percent of the liveweight of the animal. In a number of western European countries, the slaughter age of calves has risen considerably, and they have thus approached the respective weight/hide ratio of mature cattle.

In the case of buffaloes the proportion of the hide in the liveweight of the animal is close to double that observed in cattle, i.e. roughly 10 percent. The average figures for hide weight and area per country reflect the proportion of buffalo hides in the total hide availability wherever buffaloes represent a significant part of the country's total livestock. Finally, pigskins represent about 7 percent of the carcass weight.

Correlating liveweight or carcass weight with the skin weight of sheepskins and goatskins is much less practicable than for cattlehides and calfskins. Depending on the purpose of sheep raising and thus on the breeds making up the flock, varying proportions of wool or hair distort the numerical correlation. Thus, the typical wool sheep may have a fleece weighing up to 2 kg., accounting for two-thirds of a dry-wooled skin. The proportion of hair on hairsheep is much lower. Account has been taken of the prevailing breeds of sheep and the wool/hair content was deducted when estimating the average unit weight of the skins. The problem is less grave in the case of goats as mohair goats are only raised in a limited number of countries. However, as goats in many countries are slaughtered on the farm, data on liveweight or carcass weight are difficult to obtain. Finally, in both cases, i.e. sheepskins and goatskins, an attempt has been made to take account of the proportion of lambs and kids slaughtered in each country and to adjust the average unit weights accordingly.

(iii) **Area Yield**

The area yield of a hide or skin is determined by the size of the animal at slaughter or at the time of natural death. However, there is no uniform surface/weight ratio for hides and skins because of thickness variability between animals. In addition, thickness of any single hide or skin is normally uneven. Thus, for example, butts, i.e. the part of the hide left after the bellies and shoulder have been removed, are the thickest part of a hide, often accounting for one-third of the total area of the hide, but for about half of its weight.

During the process of transformation of raw hides and skins into leather the surface area does not change significantly, although trimming practices for raw hides and skins vary from country to country. In general, a somewhat lower grain leather yield has been assumed than raw hide yield. However, given the different processing stages and conditions in which tanned hides and skins are shipped, their weight/surface ratios differ considerably. Thus, while crust, ready-to-finish leather (included in crust in the tables) and finished leathers are dry, independent of being tanned with vegetable or chrome tanning agents, "wet-blue" material is shipped in a moist state leading to weight/surface ratios closer to those applying to the raw stock.

The varying thickness between any two hides or skins and, in addition, of each single piece introduces a serious problem in determining its surface yield in leather. This is because a hide exceeding about 3 mm thickness, either on its entire area or in certain places, can be split. Splitting can be done in the raw or tanned stage, yielding a grain layer of, say, 1.6 to 2.0 mm thickness and varying proportions of flesh splits. Thus, a hide of 40 kg may yield 60 percent flesh split in addition to 100 percent grain layer. By contrast, light hides may not yield splits but only shavings not usable for the production of leather. Some sheepskins and pigskins are also suitable for splitting, but calfskins and goatskins are not normally split. To the extent possible, these factors have been taken into account, but the area yields shown have to be taken with some caution.

METHODOLOGIE

(i) Considération générale

Les surfaces et poids unitaires moyens donnés dans ce document se rapportent uniquement aux cuirs et peaux produits et préparés dans le pays même. Il n'est donc pas tenu compte des cuirs et peaux importés qui pourraient être utilisés dans une tannerie d'un pays déterminé et dont le poids et la taille pourraient varier par rapport aux productions locales. En outre, les rapports numériques moyens indiqués sont ceux qui, à notre connaissance, s'appliquent actuellement. Nous avons été obligés d'émettre les modifications de la surface et du poids moyens qui ont pu se produire avec le temps. Ainsi, il se pourrait que les veaux soient abattus plus jeunes ou plus âgés qu'il y a dix ou vingt ans; que la composition du troupeau ait changé (passage des bovins laitiers aux bovins de boucherie) et que, dans les troupeaux de bovins de boucherie, les races traditionnelles aient été remplacées par des races à plus haut rendement. Il n'a pas été possible de montrer les effets que ces changements ont eu avec le temps sur la surface et le poids moyens des cuirs et peaux dans les différents pays.

(ii) Poids

Le poids d'un cuir ou d'une peau dépend de la structure des fibres collagéniques de la peau, qui dépend à son tour de divers facteurs génétiques, de l'âge, du sexe de l'alimentation ou de l'environnement. De nombreuses définitions du poids sont utilisées aux fins statistiques. Les rapports numériques entre ces divers "poids" dépendent du traitement technologique auquel ont été soumis les cuirs ou peaux. Les principales définitions utilisées sont les suivantes:

- poids "frais", c'est-à-dire poids après dépouillement, sans boue ni bouse;
- poids "salé vert", c'est-à-dire poids obtenu après salage ou saumurage. Comme les cuirs et peaux perdent beaucoup d'eau durant l'opération, les cuirs de bovins "salés verts" peuvent peser 85 à 90 pour cent d'un cuir "frais" en climat tempéré et pas plus de 70 pour cent en climat tropical. Pour les peaux de veaux, la proportion est normalement un peu plus élevée que pour les cuirs de bovins;
- poids "salé à sec", c'est-à-dire le poids obtenu après traitement au sel et séchage à l'air. Le poids "salé à sec" représente 55 à 60 pour cent du poids "frais";
- le poids "sec" est le poids obtenu après séchage des cuirs et peaux, sans salage préalable. Il représente environ 35 pour cent du poids "frais";

- le poids "picklé" est le poids obtenu par traitement (surtout des peaux) dans une solution d'acide sulfurique et de sel. Comme la quantité d'eau qui s'évapore est supérieure à celle qui est ajoutée, le poids représente environ 50 pour cent du poids "frais".

Les moyennes ont été tirées de statistiques commerciales, de manuels et de rapports de projets sur l'élevage, les cuirs et peaux et le tannage, et elles ont aussi été obtenues auprès d'institutions et de sociétés opérant dans le secteur des cuirs et peaux. En outre, pour calculer l'unité moyenne sous quelque forme que ce soit; produit traité nous avons dû nous baser sur la connaissance que nous avions des conditions régnant dans les secteurs de l'élevage et des cuirs et peaux, dans le pays considéré. Nous avons confronté les poids unitaires obtenus avec les chiffres disponibles sur le poids vif ou le poids carcasse moyens et nous les avons ajustés en cas de besoin en tenant compte des caractéristiques propres aux espèces animales typiques des pays considérés.

En fait, il existe dans tout pays un certain rapport statistique entre le poids moyen d'un cuir, le poids moyen d'un bovin sur pied, et le poids carcasse. Un cuir "frais" représente généralement 5 à 5,5 pour cent du poids vif de l'animal adulte. Comme le poids carcasse représente jusqu'à 55 pour cent du poids vif, un cuir "frais" représente environ 9 à 10 pour cent du poids carcasse de l'animal, selon la race bovine. Dans les pays où le secteur de l'élevage est très développé, la moyenne des poids carcasses des bovins a augmenté plus rapidement que celle des cuirs, c'est-à-dire que le rapport cuir/poids a diminué depuis une dizaine d'années. Les peaux des veaux de moins de deux ans peuvent représenter environ 7 pour cent du poids vif de l'animal. Dans plusieurs pays d'Europe occidentale, les veaux sont abattus passablement plus tard qu'auparavant et leur rapport poids/cuir se rapproche ainsi de celui des bovins adultes. Les poids unitaires des peaux de veaux produites dans les pays d'Europe orientale et en URSS sont plus faibles qu'en Europe occidentale car, dans ces pays, les veaux issus de vaches laitières qui sont la propriété privée de travailleurs agricoles dépassent rarement le poids de 100 kg au moment de l'abattage.

Chez les buffles, le poids du cuir par rapport au poids vif de l'animal est presque deux fois plus élevé que chez les bovins, c'est-à-dire qu'il est de l'ordre de 10 pour cent. Les chiffres moyens par pays relatifs au poids et à la surface des cuirs reflètent la proportion des cuirs de buffle dans la production totale de cuirs chaque fois que les buffles représentent une partie importante du cheptel total du pays. Enfin, les peaux de porc représentent environ 7 pour cent du poids carcasse.

Etablir une corrélation entre le poids vif ou le poids carcasse d'une part et le poids de la peau de l'autre est beaucoup plus difficile pour les peaux d'ovins et de caprins que pour les cuirs de bovins et les peaux de veaux. Selon l'usage pour lequel sont élevés les ovins et, partant, les races qui composent le troupeau, les proportions différentes de laine ou de crins faussent la corrélation numérique. Par exemple, le mouton à laine typique peut avoir une toison pesant jusqu'à 2 kg, qui représente les deux tiers du poids d'une peau avec laine sèche. La proportion de crins, chez les moutons crineux, est beaucoup plus faible. Nous avons tenu compte des races ovines les plus répandues et nous avons déduit la teneur de laine/crin pour estimer le poids unitaire moyen des peaux. Le problème est moins grave dans le cas des chèvres, car les chèvres à mohair ne sont élevées que dans un petit nombre de pays. Toutefois, comme les chèvres sont abattues à la ferme dans beaucoup de pays, il est difficile d'obtenir des données sur le poids vif ou le poids carcasse. Enfin, dans les deux cas, c'est-à-dire tant pour les peaux de moutons que pour les peaux de chèvres, nous avons tenté de tenir compte de la proportion des agneaux et des chevreaux abattus dans chaque pays et d'ajuster en conséquence les poids unitaires moyens.

(iii) **Surface**

La surface de cuir ou de la peau obtenus dépend de la taille de l'animal au moment de l'abattage ou de la mort naturelle. Toutefois, il n'y a pas de rapport uniforme surface/poids pour les cuirs et peaux bruts parce que l'épaisseur varie selon les animaux. En outre, l'épaisseur d'une peau ou d'un cuir est normalement inégale. Par exemple, le croupon, c'est-à-dire la partie du cuir restante lorsqu'on a enlevé les flancs et le collet, est la partie la plus épaisse d'un cuir et représente souvent un tiers de sa surface totale, mais la moitié environ de son poids.

Durant le processus de transformation des produits bruts en cuir proprement dit, la surface ne varie pas beaucoup, encore que les méthodes de débordage pour les cuirs et peaux bruts varient d'un pays à l'autre. En général, nous avons présumé que le rendement en cuir fleur était un peu moins élevé que le rendement en cuir brut. Toutefois, étant donné les différents stades de transformation et les différents états dans lesquels se trouvent les cuirs et peaux tannés au moment de l'expédition, leur rapport poids/surface diffère beaucoup. Par exemple, alors que les cuirs en croûte prêts au finissage (inclus sous "cuirs en croûte" dans les tableaux) et les cuirs finis sont secs, qu'ils aient été tannés avec des tanins végétaux ou au chrome, les cuirs "en bleu" sont expédiés à l'état humide, de sorte que le rapport poids/surface est plus proche de celui qui s'applique au produit brut.

L'épaisseur variable des peaux et des cuirs jusque sur une même pièce, pose un sérieux problème quand il s'agit de déterminer le rendement en surface de produit fini. En effet, un cuir qui a plus de 3 mm environ d'épaisseur, soit sur toute sa surface, soit par endroit, peut être refendu. Le refendage peut être effectué sur le produit brut ou sur le produit tanné, donnant une fleur de 1,6 à 2 mm d'épaisseur et diverses proportions de croûte. Ainsi, un cuir de 40 kg peut fournir 60 pour cent de croûte en plus de 100 pour cent de fleur. Au contraire, les cuirs légers ne peuvent normalement pas être refendus mais fournissent seulement des rognures inutilisables. Quelques peaux de moutons et de chèvres se prêtent aussi au refendage mais les peaux de veaux et les peaux de chèvres ne sont normalement pas refendues. Dans la mesure du possible, on a tenu compte de ces facteurs, mais les rendements en surface qui sont indiqués doivent être utilisés avec prudence.

NOTAS METODOLOGICAS

(i) Consideraciones generales

Los pesos y las superficies unitarias medias contenidas en el presente documento se refieren únicamente a las pieles y cueros producidos en los países y ulteriormente elaborados localmente. Por consiguiente, no pudieron tenerse en cuenta las pieles y cueros importados que quizá se utilizan en una curtiduría de un determinado país, y cuyo peso o tamaño podrían ser distintos de los producidos localmente. Además, los cocientes medios que se indican se refieren a los que, al parecer, se aplican actualmente. Hubo que pasar por alto los cambios que con el paso del tiempo se registraron en los promedios de pesos y superficies. Así, los becerros quizá se sacrifican a una edad inferior o más avanzada que hace uno o dos decenios, la composición de los hatos puede haber cambiado de vacas lecheras a vacas de carne, y dentro de los hatos pueden haberse sustituido las razas tradicionales por razas de mayor rendimiento. No ha sido posible indicar el efecto que al cabo de cierto tiempo han tenido dichos cambios en los promedios de pesos y superficies por cuero y por piel en los distintos países.

(ii) Peso

El peso de un cuero o una piel se determina por la estructura de las fibras de colágeno de la piel. Dicha estructura se halla condicionada, a su vez, por un número de factores de orden genético, de edad, de sexo de alimentación del animal o de ambiente. Actualmente se utilizan numerosos conceptos de peso para los datos estadísticos. Sus respectivas proporciones numéricas dependen del tratamiento tecnológico al que se han sometido los cueros o las pieles. Los principales conceptos de peso son:

- "peso en verde" es el peso de la piel después del desuello, y de eliminar la suciedad y excrementos;
- peso en "salado en húmedo" es el peso obtenido después de someter la piel al salado o salmuerao. Como las pieles pierden mucha humedad en este proceso, los cueros de vacuno "salados en húmedo" pueden pesar un 85 ó 90 por ciento de un cuero en verde en climas templados, y hasta un 70 por ciento en climas tropicales. Para las pieles de becerro, la proporción es normalmente algo superior a la de los cueros de vacuno;

- peso en "salado en seco" es el peso obtenido después de tratar la piel con sal y secarla al aire. El peso en "salado en seco" representa un 55 ó 60 por ciento del peso en "verde";
- peso en "seco" es el peso obtenido después de secar las pieles sin haberlas sometido al procedimiento del salado. Representa aproximadamente el 35 por ciento del peso en "verde";
- peso de la piel "adobada" es el peso obtenido después de tratar, principalmente las pieles, con una solución de ácido sulfúrico y sal. Como se evapora una cantidad mayor de humedad de la que se añade, dicho peso representa aproximadamente el 50 por ciento del peso en "verde".

Los promedios se calculan tomando como base estadísticas de comercio, libros de texto e informes de proyectos sobre ganadería, cueros y pieles y curtido, facilitados por instituciones y compañías del ramo. Además, para determinar los pesos unitarios medios en cualquiera de los sistemas de curtido, hubo que tener en cuenta las condiciones predominantes en el sector de la ganadería y de los cueros y pieles en los distintos países. Los pesos unitarios obtenidos se confrontaron con los pesos medios en vivo o en canal y, en caso necesario, se reajustaron teniendo en cuenta las características propias de las especies de ganado típicas de los respectivos países.

De hecho, hay una cierta relación estadística entre el peso medio de un cuero de vacuno, el peso medio de un vacuno vivo y el peso medio de las canales producidas en cualquier país. En general, un cuero en verde de vacuno representa entre un 5 y un 5,5 por ciento del peso vivo de un vacuno adulto. Como el peso en canal representa, como máximo, el 55 por ciento del peso vivo, un cuero en verde de vacuno representa aproximadamente un 9 o un 10 por ciento del peso en canal, según las razas de bovinos. Al parecer, en los países con un sector ganadero muy desarrollado, los pesos medios en canal del ganado han aumentado con mayor rapidez que los de los cueros, es decir, que la proporción cuero/peso ha disminuido durante el último decenio. Las pieles de becerros menores de dos años pueden representar alrededor de un 7 por ciento del peso vivo del animal. En algunos países de Europa occidental ha aumentado considerablemente la edad de sacrificio de los becerros y, por tanto, se aproximan a la proporción peso/cuero correspondiente al ganado vacuno adulto.

En cuanto a los búfalos, la proporción del cuero en el peso vivo del animal es casi el doble que en el ganado vacuno, es decir, el 10 por ciento aproximadamente. Las cifras medias del peso y la superficie de los cueros de vacuno, por países, reflejan la proporción de los cueros de búfalo en las existencias totales de cueros dondequiera que los búfalos representen una parte importante del número total de reses del país. Por último, las pieles de cerdo representan alrededor del 7 por ciento del peso en canal.

La correlación del peso vivo o de la canal con el peso de la piel de oveja y de cabra resulta mucho menos viable que para los cueros de vacuno y las pieles de becerros. Según sea la finalidad de la cría de las ovejas -y, en consecuencia, según sean las razas de que se compone el rebaño- las distintas proporciones de lana o pelo deforman la correlación numérica. Así, la oveja lanuda típica puede tener un vellón de hasta 2 kg, lo que representa unos dos tercios de la piel lanuda seca. La proporción de pelo en las ovejas peludas es mucho menor. Al estimar el peso unitario medio de las pieles se han tenido en cuenta las razas de ovejas más comunes, y se ha deducido el contenido de lana/pelo. El problema es menos grave en las cabras, ya que las cabras mohair sólo se crían en un número limitado de países. No obstante, como en muchos países las cabras se sacrifican en las granjas, es difícil recabar datos sobre el peso vivo o en canal. Por último, en ambos casos, es decir, las pieles de oveja y las de cabra, se ha procurado tener en cuenta la proporción de corderos y cabritillas sacrificados en cada país y ajustar en consecuencia los pesos medios unitarios.

(iii) **Rendimiento en superficie**

El rendimiento en superficie de un cuero o una piel se determina por el tamaño del animal en el momento del sacrificio o de su muerte natural. No hay, sin embargo, una proporción uniforme de superficie/peso para los cueros y las pieles sin curtir debido a la variabilidad del espesor entre los distintos animales. Además, el espesor de una piel cualquiera es normalmente desigual. Así, por ejemplo, el crupón, es decir, la parte del cuero que queda después de haber separado el cuello y las faldas, es la parte más gruesa, y a menudo representa un tercio de la superficie total de la piel, pero aproximadamente la mitad de su peso.

Durante el proceso de transformación de las pieles sin curtir en cueros, la superficie no cambia sensiblemente, aunque las prácticas de recortado de las pieles en bruto varía de un país a otro. En general, se ha supuesto un rendimiento algo menor de flor que de cuero en bruto. No obstante, habida cuenta de las distintas fases de elaboración y de las condiciones en que se exportan las pieles y los cueros curtidos, sus proporciones de peso/superficie difieren considerablemente. Así, mientras que los cueros acortezados preparados para el acabado (que en las tablas figuran entre los cueros acortezados) y los cueros acabados se hallan en estado seco, independientemente de que hayan sido curtidos con agentes de curtición vegetales o al cromo, el material "azul-húmedo" se exporta en estado húmedo, con lo que las proporciones de peso/superficie son más próximas a las que se aplican al material en bruto.

Las diferencias de espesor entre dos cueros o pieles sin curtir, e incluso en cada una de ellas, plantean un difícil problema cuando hay que determinar su rendimiento en superficie de cuero. Ello se debe a que los cueros que superan los 3 mm de espesor, en toda su superficie o en algunas partes de ella, pueden dividirse. La división puede hacerse antes o después del curtido, obteniéndose una capa de flor de 1,6 a 2,0 mm de espesor y diversas proporciones de serrajes. Por ejemplo, un cuero de 40 kg puede rendir un 60 por ciento de serrajes, además del 100 por cien de la capa de flor. En cambio, es posible que los cueros ligeros no permitan obtener serrajes sino solamente recortes no utilizables para la producción de cuero. Algunas pieles de oveja y de cerdo son también adecuadas para la división, pero las pieles de becerro y de cabra normalmente no se dividen. En la medida de lo posible, se han tenido en cuenta estos factores, pero los rendimientos por superficie que se indican deben considerarse con cierta reserva.

NOTE/NOTA

For reasons of economy, the tables on pages 15 to 60 have not been reproduced in French and Spanish. As the tables are uniform, a glossary of terms used is given in French and Spanish on the following page.

Pour des raisons d'économie, les tableaux des pages 15 à 60 n'ont pas été reproduits en français et en espagnol. Comme ces tableaux sont tous les mêmes, un glossaire des termes utilisés est donné en français et en espagnol, à la page suivante.

Por razones de economía, las tablas que figuran en las páginas 15 a 60 no se han reproducido en francés y en español. Como las tablas son uniformes, en las páginas siguientes se ha incluido un glosario de los términos utilizados con sus correspondientes significados en francés y español.

For a number of countries reference is made in a footnote to split leather accruing in addition to finished leather. In all these cases the relevant footnotes should be translated as follows: "plus approximately... sq.ft. of split leather on average".

Pour plusieurs pays, mention est faite, dans une note de bas de page, de la croûte obtenue en plus du cuir fini. Dans tous ces cas, les notes correspondantes doivent être traduites comme suit: "plus environ... pied carré de croûte en moyenne".

En el caso de algunos países, se indica en notas al pie de las tablas el cuero partido además del cuero acabado. En todos estos casos, las notas se traducirán como sigue: "más un promedio de... pies cuadrados, aproximadamente, de cuero partido".

GLOSSARY/GLOSSAIRE/GLOSARIO

ENGLISH
RAW HIDES AND SKINS

CATTLEHIDES
wet salted
dry

CALFSKINS
wet salted
dry

SHEEPSKINS
pickled
dry

GOATSKINS
pickled
dry

PIGSKINS
wet salted

TANNED HIDES AND SKINS

WET BLUE
from cattle
from calf
from sheep
from goat

CRUST
from cattle
from calf
from sheep
from goat

FINISHED LIGHT LEATHER
from cattle
from calf
from sheep
from goat

FINISHED HEAVY LEATHER
from cattle

HEADINGS OF TABLES
Average unit wt. kg./piece
Average area yield sq.ft./piece
Average surface ratio kg./sq.ft.

FRANÇAIS
CUIRS ET PEAUX BRUTS
CUIRS DE BOVIN ADULTE

salées vertes
secs

PEAUX DE VEAU
salées vertes
secs

PEAUX DE MOUTON
picklées
secs

PEAUX DE CHEVRE
picklées
secs

PEAUX DE PORC
salées vertes

CUIRS ET PEAUX TANNES
PRE-TANNES AU CHROME
de bovin adulte
de veau
de mouton
de chèvre

CUIRS EN CROUTE
de bovin adulte
de veau
de mouton
de chèvre

CUIRS LEGERS FINIS
de bovin adulte
de veau
de mouton
de chevre

CUIRS GROS FINIS
de bovin adulte

TITRES DES TABLEAUX
Poids unitaires moyens kg./pièce
Rendement moyen de surface pied carré/pièce
Coefficient moyen de surface kg./pied carré

ESPAÑOL
PIELES CRUDAS
PIELES DE VACUNO MAYOR

saladas en húmedo
secas

PIELES DE BECERRO
saladas en húmedo
secas

PIELES DE OVEJA
adobadas
secas

PIELES DE CABRA
adobadas
secas

PIELES DE CERDO
saladas en húmedo

PIELES DE PRIMERA CURTIMBRE
AZUL HUMEDO
de vacuno mayor
de becerro
de ovinos
de cabra

CUERO ACORTEZADO
de vacuno mayor
de becerro
de ovinos
de cabra

CUERO LIGERO ACABADO
de vacuno mayor
de becerro
de ovinos
de cabra

CUERO PESADO ACABADO
de vacuno mayor

ENCABEZAMIENTO DE LAS TABLAS
Peso unitario medio kg./pieza
Rendimiento medio de superficie pie cuadrado/pieza
Cociente medio de superficie kg./pie cuadrado

DEVELOPING COUNTRIES	ARGENTINA			BOLIVIA			BRAZIL		
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
LATIN AMERICA									
RAW HIDES AND SKINS									
CATTLEHIDES									
wet salted	20.00	34.80	1: 1.74	21.00	35.00	1: 1.67	25.80	46.10	1: 1.79
dry	6.18	34.80	1: 5.63	**14.00	35.00	1: 2.50	9.10	46.10	1: 5.07
CALFSKINS									
wet salted	7.00	18.00	1: 2.57	2.00	8.60	1: 4.30	3.00	9.00	1: 3.00
dry				0.80	8.60	1: 10.75	1.20	9.00	1: 7.50
SHEEPSKINS									
pickled	1.35	7.40	1: 5.48	0.75	3.60	1: 4.80	1.35	7.90	1: 5.85
dry	0.90	7.40	1: 8.22	0.50	3.60	1: 7.20	0.90	7.90	1: 8.78
GOATSKINS									
pickled	0.53	3.15	1: 5.94	0.75	5.20	1: 6.93	0.75	4.50	1: 6.00
dry	0.35	3.15	1: 9.00	0.50	5.20	1: 10.40	0.50	4.50	1: 9.00
PIGSKINS									
wet salted									
TANNED HIDES AND SKINS									
WET BLUE									
from cattle	17.42	34.61	1: 1.99	18.30	34.80	1: 1.90	22.40	45.90	1: 2.05
from calf	5.90	17.90	1: 3.03	1.70	8.60	1: 5.06	2.50	9.00	1: 3.60
from sheep	1.13	7.40	1: 6.58	0.63	3.60	1: 5.76	1.13	7.90	1: 7.02
from goat	0.44	3.15	1: 7.16	0.63	5.20	1: 8.32	0.63	4.50	1: 7.14
CRUST									
from cattle	5.44	34.30	1: 6.31	5.70	34.50	1: 6.05	7.00	45.60	1: 6.51
from calf	2.30	17.90	1: 7.78	0.65	8.90	1: 13.69	1.00	8.80	1: 8.80
from sheep	1.00	7.40	1: 7.44	0.23	3.60	1: 16.00	0.41	7.90	1: 19.51
from goat	0.15	3.15	1: 21.00	0.21	5.20	1: 24.76	0.21	4.50	1: 21.43
FINISHED LIGHT LEATHER									
from cattle	3.96	*33.15	1: 8.37	4.20	***34.20	1: 8.14	3.90	****45.00	1: 11.54
from calf	1.60	17.80	1: 11.13	0.60	8.50	1: 14.17	0.90	8.80	1: 9.77
from sheep	0.36	7.40	1: 20.56	0.20	3.60	1: 18.00	0.36	7.90	1: 21.94
from goat	0.17	3.15	1: 18.53	0.24	5.20	1: 22.13	0.24	4.50	1: 18.75
from pig									
FINISHED HEAVY LEATHER									
from cattle	11.06	34.06	1: 3.08	16.70	35.00	1: 2.10	14.70	45.00	1: 3.06

*Plus approx. 4 sq. ft. of split leather on average. **Dry salted weight. ***Plus approx. 3 sq. ft. of split leather on average. **** Plus approx. 14sq.ft. of split leather on average.

DEVELOPING COUNTRIES	CHILE			COLOMBIA			COSTA RICA		
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur face ratio kg. / sq.ft.
<u>LATIN AMERICA</u>									
<u>RAW HIDES AND SKINS</u>									
CATTLEHIDES wet salted	24.00	40.00	1: 1.67	18.50	30.00	1: 1.62	25.00	44.00	1: 1.75
dry									
CALFSKINS wet salted	7.00	18.00	1: 2.57	1.70	8.00	1: 4.71	1.70	8.00	1: 4.71
dry									
SHEEPSKINS pickled	1.58	8.00	1: 5.08	1.13	6.80	1: 6.04	1.28	7.00	1: 5.49
dry	1.05	8.00	1: 7.62	0.75	6.80	1: 9.07	0.85	7.00	1: 8.24
GOATSKINS pickled	1.13	6.75	1: 5.97	0.83	4.95	1: 5.96	0.75	4.50	1: 6.00
dry	0.75	6.75	1: 9.00	0.55	4.95	1: 9.00	0.50	4.50	1: 9.00
PIGSKINS wet salted									
<u>TANNED HIDES AND SKINS</u>									
WET BLUE from cattle	20.90	39.80	1: 1.90	16.10	29.90	1: 1.85	21.75	43.80	1: 2.01
from calf	5.90	17.90	1: 3.03	1.40	8.00	1: 5.71	1.43	8.00	1: 5.59
from sheep	1.31	8.00	1: 6.11	0.94	6.80	1: 7.23	1.06	7.00	1: 6.60
from goat	0.94	6.75	1: 7.18	0.69	4.95	1: 7.17	0.63	4.50	1: 7.14
CRUST from cattle	6.50	39.40	1: 6.06	5.00	29.60	1: 5.92	6.75	43.40	1: 6.43
from calf	1.00	17.90	1: 17.90	0.55	7.50	1: 13.64	0.55	7.50	1: 13.64
from sheep	0.47	8.00	1: 17.02	0.34	6.80	1: 20.00	0.38	7.00	1: 18.42
from goat	0.32	6.75	1: 21.09	0.23	4.95	1: 21.52	0.21	4.50	1: 21.43
FINISHED LIGHT LEATHER from cattle	4.30	* 38.50	1: 8.95	3.70	29.30	1: 7.92	4.50	**43.00	1: 9.56
from calf	1.60	17.80	1: 11.13	0.50	7.50	1: 15.00	0.50	7.50	1: 15.00
from sheep	0.42	8.00	1: 19.05	0.30	6.80	1: 22.67	0.34	7.00	1: 20.59
from goat	0.35	6.75	1: 19.29	0.26	4.95	1: 19.04	0.24	4.50	1: 18.75
from pig									
FINISHED HEAVY LEATHER from cattle	13.70	40.00	1: 2.92	10.50	30.00	1: 2.86	14.25	44.00	1: 3.09

*Plus approx. 12 sq.ft. of split leather on average. **Plus approx. 13 sq.ft. of split leather on average.

DEVELOPING COUNTRIES	CUBA			DOMINICAN REPUBLIC			ECUADOR		
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
<u>LATIN AMERICA</u>									
<u>RAW HIDES AND SKINS</u>									
CATTLEHIDES wet salted	17.00	32.00	1: 1.88	21.00	32.00	1: 1.52	16.00	32.00	1: 2.00
dry									
CALFSKINS wet salted	1.70	8.00	1: 4.71	1.70	8.00	1: 4.71	1.50	7.50	1: 5.00
dry									
SHEEPSKINS pickled	0.90	6.20	1: 6.89	1.43	8.50	1: 5.96	1.05	6.50	1: 6.19
dry	0.60	6.20	1: 10.33	0.95	8.50	1: 8.95	0.70	6.50	1: 9.29
GOATSKINS pickled	0.83	5.50	1: 6.67	1.05	7.00	1: 6.67	0.57	3.80	1: 6.67
dry	0.50	5.50	1: 11.00	0.70	7.00	1: 10.00	0.38	3.80	1: 10.00
PIGSKINS wet salted									
<u>TANNED HIDES AND SKINS</u>									
WET BLUE from cattle	14.80	31.80	1: 2.15	18.30	31.80	1: 1.74	13.90	31.80	1: 2.29
from calf	1.43	8.00	1: 5.59	1.43	8.00	1: 5.59	1.30	7.50	1: 5.77
from sheep	0.75	6.20	1: 8.27	1.19	8.50	1: 7.14	0.88	6.50	1: 7.43
from goat	0.69	5.50	1: 7.97	0.88	7.00	1: 8.00	0.48	3.80	1: 8.00
CRUST from cattle	4.60	31.60	1: 6.87	5.70	31.60	1: 5.54	4.30	31.60	1: 7.35
from calf	0.55	7.50	1: 13.64	0.55	7.50	1: 13.64	0.49	7.30	1: 14.90
from sheep	0.25	6.20	1: 24.80	0.43	8.50	1: 19.77	0.32	6.50	1: 20.63
from goat	0.23	5.50	1: 23.91	0.29	7.00	1: 24.14	0.16	3.80	1: 23.75
FINISHED LIGHT LEATHER from cattle	3.40	31.30	1: 9.21	4.20	*31.30	1: 7.45	3.20	31.30	1: 9.78
from calf	0.50	7.50	1: 15.00	0.50	7.50	1: 15.00	0.45	7.30	1: 16.22
from sheep	0.24	6.20	1: 25.83	0.38	8.50	1: 22.37	0.28	6.50	1: 23.21
from goat	0.26	5.50	1: 21.15	0.33	7.00	1: 21.21	0.18	3.80	1: 21.11
from pig									
FINISHED HEAVY LEATHER from cattle	9.70	32.00	1: 3.30	12.00	32.00	1: 2.67	9.10	32.00	1: 3.52

*Plus approx. 3 sq.ft. of split leather on average.

DEVELOPING COUNTRIES	EL SALVADOR			GUATEMALA			GUYANA		
	Average Unit wt kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio Kg. / sq.ft.	Average Unit wt kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio Kg. / sq.ft.	Average Unit wt kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio Kg. / sq.ft.
<u>LATIN AMERICA</u>									
<u>RAW HIDES AND SKINS</u>									
CATTLEHIDES wet salted	17.00	26.00	1: 1.53	20.00	30.00	1: 1.50	15.00	24.00	1: 1.60
dry									
CALFSKINS wet salted	1.50	7.50	1: 5.00	1.70	8.00	1: 4.71	1.75	8.00	1: 4.57
dry									
SHEEPSKINS dry	0.85	7.00	1: 8.24	0.85	7.00	1: 8.24	0.50	6.00	1: 12.00
pickled	1.28	7.00	1: 5.49	1.28	7.00	1: 5.49	0.75	6.00	1: 8.00
GOATSKINS dry	0.70	7.00	1: 10.00	0.70	7.00	1: 10.00	0.38	3.80	1: 10.00
pickled	1.05	7.00	1: 6.67	1.05	7.00	1: 6.67	0.57	3.80	1: 6.67
PIGSKINS wet salted									
<u>TANNED HIDES AND SKINS</u>									
WET BLUE from cattle	14.80	25.90	1: 1.75	17.40	29.90	1: 1.72	13.10	23.90	1: 1.82
from calf	1.30	7.50	1: 5.77	1.43	8.00	1: 5.59	1.40	8.00	1: 5.71
from sheep	1.06	7.00	1: 6.60	1.06	7.00	1: 6.60	0.63	6.00	1: 9.60
from goat	0.88	7.00	1: 8.00	0.88	7.00	1: 8.00	0.16	3.80	1: 8.00
CRUST from cattle	4.60	25.60	1: 5.57	5.40	29.60	1: 5.48	4.10	23.70	1: 5.78
from calf	0.49	7.00	1: 14.29	0.55	7.50	1: 13.64	0.55	7.50	1: 13.64
from sheep	0.38	7.00	1: 18.42	0.38	7.00	1: 18.42	0.23	6.00	1: 26.67
from goat	0.29	7.00	1: 24.14	0.29	7.00	1: 24.14	0.16	3.80	1: 23.75
FINISHED LIGHT LEATHER from cattle	3.40	25.40	1: 7.47	4.00	*29.30	1: 7.33	3.00	23.50	1: 7.83
from calf	0.45	7.50	1: 16.67	0.50	7.50	1: 15.00	0.50	7.50	1: 15.00
from sheep	0.34	7.00	1: 20.59	0.34	7.00	1: 20.59	0.20	6.00	1: 30.00
from goat	0.33	7.00	1: 21.21	0.33	7.00	1: 21.21	0.18	3.80	1: 21.11
from pig									
FINISHED HEAVY LEATHER from cattle	9.70	26.00	1: 2.68	12.00	30.00	1: 2.50	8.60	24.00	1: 2.79

*Plus approx. 2 sq.ft. of split leather on average.

DEVELOPING COUNTRIES	HAITI			HONDURAS			JAMAICA		
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
<u>LATIN AMERICA</u>									
<u>RAW HIDES AND SKINS</u>									
CATTLEHIDES wet salted	20.00	30.00	1: 1.50	17.00	26.00	1: 1.53	19.00	30.00	1: 1.58
dry									
CALFSKINS wet salted	1.70	8.00	1: 4.71	1.70	8.00	1: 4.71	1.70	8.00	1: 4.71
dry									
SHEEPSKINS pickled	1.50	7.60	1: 5.07	1.28	7.00	1: 5.49	1.35	7.40	1: 5.48
dry	1.00	7.60	1: 7.60	0.85	7.00	1: 8.24	0.90	7.40	1: 8.22
GOATSKINS pickled	0.53	3.50	1: 6.67	1.05	7.00	1: 6.67	0.83	5.50	1: 6.67
dry	0.35	3.50	1: 10.00	0.70	7.00	1: 10.00	0.55	5.50	1: 10.00
PIGSKINS wet salted									
<u>TANNED HIDES AND SKINS</u>									
WET BLUE from cattle	17.40	29.90	1: 1.72	14.80	25.90	1: 1.75	16.50	29.90	1: 1.81
from calf	1.43	8.00	1: 5.59	1.43	8.00	1: 5.59	1.43	8.00	1: 5.59
from sheep	1.25	7.60	1: 6.08	1.06	7.00	1: 6.60	1.13	7.40	1: 6.58
from goat	0.44	3.50	1: 7.95	0.88	7.00	1: 8.00	0.69	5.50	1: 7.97
CRUST from cattle	5.40	29.60	1: 5.48	4.60	25.60	1: 5.57	5.10	29.60	1: 5.80
from calf	0.55	7.50	1: 13.64	0.55	7.50	1: 13.64	0.55	7.50	1: 13.64
from sheep	0.45	7.60	1: 16.89	0.38	7.00	1: 18.42	0.41	7.40	1: 18.27
from goat	0.15	3.50	1: 23.33	0.29	7.00	1: 24.14	0.23	5.50	1: 23.91
FINISHED LIGHT LEATHER from cattle	4.00	*29.30	1: 7.33	3.40	25.40	1: 7.47	3.80	29.30	1: 7.71
from calf	0.50	7.50	1: 15.00	0.50	7.50	1: 15.00	0.50	7.50	1: 15.00
from sheep	0.40	7.60	1: 19.00	0.34	7.00	1: 20.59	0.36	7.40	1: 20.56
from goat	0.17	3.50	1: 21.21	0.33	7.00	1: 21.21	0.26	5.50	1: 21.15
from pig									
FINISHED HEAVY LEATHER from cattle	11.40	30.00	1: 2.63	8.00	26.00	1: 3.25	10.80	30.00	1: 2.78

*Plus approx. 2 sq.ft. of split leather on average.

DEVELOPING COUNTRIES	MEXICO			NICARAGUA			PANAMA		
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
LATIN AMERICA									
RAW HIDES AND SKINS									
CATTLEHIDES wet salted	24.00	44.10	1: 1.84	23.00	32.50	1: 1.41	24.00	40.00	1: 1.67
dry									
CALFSKINS wet salted	1.70	8.10	1: 4.75	1.70	8.00	1: 4.71	1.70	8.00	1: 4.71
dry									
SHEEPSKINS pickled	0.95	6.20	1: 6.46	0.90	6.00	1: 6.67			
dry	0.64	6.20	1: 9.69	0.60	6.00	1: 10.00			
GOATSKINS pickled	0.60	4.00	1: 6.67	0.75	5.00	1: 6.67	0.75	5.00	1: 6.67
dry	0.40	4.00	1: 10.00	0.50	5.00	1: 10.00	0.50	5.00	1: 10.00
PIGSKINS wet salted									
TANNED HIDES AND SKINS									
WET BLUE from cattle	20.90	45.20	1: 2.16	20.00	32.30	1: 1.62	20.90	39.80	1: 1.90
from calf	1.43	8.10	1: 5.66	1.43	8.00	1: 5.59	1.43	8.00	1: 5.59
from sheep	0.80	6.20	1: 7.75	0.75	6.00	1: 8.00			
from goat	0.50	4.00	1: 8.00	0.63	5.00	1: 8.00	0.63	5.00	1: 8.00
CRUST from cattle	6.50	43.00	1: 6.62	6.20	32.00	1: 5.16	6.50	39.40	1: 6.06
from calf	0.55	7.50	1: 13.64	0.55	7.50	1: 13.64	0.55	7.50	1: 13.64
from sheep	0.29	6.20	1: 21.38	0.27	6.00	1: 22.22			
from goat	0.18	4.00	1: 22.22	0.21	5.00	1: 23.81	0.21	5.00	1: 23.81
FINISHED LIGHT LEATHER from cattle	4.30	*45.00	1: 10.45	4.10	**31.80	1: 7.76	4.30	***39.10	1: 9.09
from calf	0.50	8.00	1: 16.00	0.50	7.50	1: 15.00	0.50	7.50	1: 15.00
from sheep	0.20	6.20	1: 31.00	0.24	6.00	1: 25.00			
from goat	0.20	4.00	1: 20.00	0.24	5.00	1: 21.28	0.24	5.00	1: 21.28
from pig									
FINISHED HEAVY LEATHER from cattle	22.00	44.00	1: 2.00	13.10	32.00	1: 2.44	13.70	40.00	1: 2.92

*Plus approx. 14 sq.ft. of split leather on average.**Plus approx. 8 sq.ft. of split leather on average.***Plus approx. 12 sq.ft. of split leather on average.

DEVELOPING COUNTRIES	PARAGUAY			PERU			PUERTO RICO		
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
<u>LATIN AMERICA</u>									
<u>RAW HIDES AND SKINS</u>									
CATTLEHIDES wet salted	22.00	36.00	1: 1.64	15.00	23.00	1: 1.53	15.00	23.00	1: 1.53
dry									
CALFSKINS wet salted	2.00	8.60	1: 4.30	2.00	8.60	1: 4.30	1.70	8.00	1: 4.71
dry	0.80	8.60	1: 10.75	0.80	8.60	1: 10.75			
SHEEPSKINS pickled	1.20	7.00	1: 5.83	0.75	6.10	1: 8.13	0.90	6.20	1: 6.89
dry	0.80	7.00	1: 8.75	0.50	6.10	1: 12.20	0.60	6.20	1: 10.33
GOATSKINS pickled	0.57	3.80	1: 6.67	0.83	3.80	1: 4.61	0.83	5.50	1: 6.67
dry	0.38	3.80	1: 10.00	0.55	3.80	1: 6.91	0.55	5.50	1: 10.00
PIGSKINS wet salted									
<u>TANNED HIDES AND SKINS</u>									
WET BLUE from cattle	19.10	35.80	1: 1.98	13.10	22.90	1: 1.75	13.10	22.90	1: 1.75
from calf	1.70	8.60	1: 5.06	1.70	8.60	1: 5.06	1.43	8.00	1: 5.59
from sheep	1.00	7.00	1: 7.00	0.63	6.10	1: 9.76	0.75	6.20	1: 8.27
from goat	0.48	3.80	1: 8.00	0.69	3.80	1: 5.51	0.69	5.50	1: 7.97
CRUST from cattle	5.90	35.50	1: 6.02	4.10	22.70	1: 5.54	4.10	22.70	1: 5.54
from calf	0.65	8.30	1: 12.77	0.65	8.30	1: 12.77	0.55	7.50	1: 13.64
from sheep	0.36	7.00	1: 19.44	0.23	6.10	1: 27.11	0.27	6.20	1: 22.96
from goat	0.16	3.80	1: 23.75	0.23	3.80	1: 16.52	0.23	5.50	1: 23.91
FINISHED LIGHT LEATHER from cattle	4.00	*35.20	1: 8.80	3.00	22.50	1: 7.50	3.00	22.50	1: 7.50
from calf	0.60	8.30	1: 13.83	0.60	8.30	1: 13.83	0.50	7.50	1: 15.00
from sheep	0.32	7.00	1: 21.88	0.20	6.10	1: 30.50	0.24	6.20	1: 25.83
from goat	0.18	3.80	1: 21.11	0.26	3.80	1: 14.62	0.26	5.50	1: 21.15
from pig									
FINISHED HEAVY LEATHER from cattle	12.50	36.00	1: 2.88	8.60	23.00	1: 2.67	8.60	23.00	1: 2.67

*Plus approx. 4 sq.ft. of split leather on average.

DEVELOPING COUNTRIES	URUGUAY			VENEZUELA					
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
<u>LATIN AMERICA</u>									
<u>RAW HIDES AND SKINS</u>									
CATTLEHIDES									
wet salted	25.00	40.00	1: 1.60	23.00	44.00	1: 1.91			
dry	9.00	40.00	1: 4.44						
CALFSKINS									
wet salted	3.80	10.50	1: 2.76	2.00	8.60	1: 4.30			
dry	1.50	10.50	1: 7.00	0.80	8.60	1: 10.75			
SHEEPSKINS									
pickled	1.35	7.00	1: 5.19	1.43	8.50	1: 5.96			
dry	0.90	7.00	1: 7.78	0.95	8.50	1: 8.95			
GOATSKINS									
pickled	0.75	5.00	1: 6.67	1.13	7.50	1: 6.67			
dry	0.50	5.00	1: 10.00	0.75	7.50	1: 10.00			
PIGSKINS									
wet salted									
<u>TANNED HIDES AND SKINS</u>									
WET BLUE									
from cattle	21.80	39.80	1: 1.83	20.00	43.80	1: 2.19			
from calf	3.20	10.40	1: 3.25	1.70	8.60	1: 5.06			
from sheep	1.13	7.00	1: 6.22	1.19	8.50	1: 7.14			
from goat	0.63	5.00	1: 8.00	0.94	7.50	1: 7.98			
CRUST									
from cattle	6.75	39.40	1: 5.84	6.20	38.00	1: 6.13			
from calf	1.25	10.30	1: 8.24	0.65	8.30	1: 12.77			
from sheep	0.41	7.00	1: 17.28	0.43	8.50	1: 19.77			
from goat	0.21	5.00	1: 23.81	0.32	7.50	1: 23.81			
FINISHED LIGHT LEATHER									
from cattle	4.50	*39.10	1: 8.69	4.10	**43.00	1: 10.49			
from calf	1.00	10.30	1: 10.30	0.60	8.30	1: 13.83			
from sheep	0.36	7.00	1: 19.44	0.38	8.50	1: 22.37			
from goat	0.24	5.00	1: 21.28	0.35	7.50	1: 21.43			
from pig									
FINISHED HEAVY LEATHER									
from cattle	14.25	40.00	1: 2.81	13.10	44.00	1: 3.36			

*Plus approx. 12 sq.ft. of split leather on average. **Plus approx. 9 sq.ft. of split leather on average.

DEVELOPING COUNTRIES	ALGERIA			ANGOLA			BENIN		
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
<u>AFRICA</u>									
<u>RAW HIDES AND SKINS</u>									
CATTLEHIDES wet salted	19.00	32.00	1: 1.68	7.00	33.00	1: 4.71	5.50	30.00	1: 5.45
dry									
CALFSKINS wet salted	1.90	7.00	1: 3.68	1.90	7.00	1: 3.68	0.53	5.50	1: 10.38
dry									
SHEEPSKINS pickled	1.35	8.50	1: 6.30	1.05	7.00	1: 6.67	1.05	6.50	1: 6.19
dry	0.90	8.50	1: 9.44	0.70	7.00	1: 10.00	0.70	6.50	1: 9.29
GOATSKINS pickled	0.90	6.00	1: 6.67	0.75	5.00	1: 6.67	0.90	6.00	1: 6.67
dry	0.65	6.00	1: 10.00	0.50	5.00	1: 10.00	0.60	6.00	1: 10.00
PIGSKINS wet salted									
<u>TANNED HIDES AND SKINS</u>									
WET BLUE from cattle	16.50	31.80	1: 1.93	16.30	32.80	1: 2.01	12.80	29.90	1: 2.34
from calf	1.68	7.00	1: 4.17	1.68	7.00	1: 4.17	1.26	5.50	1: 4.37
from sheep	1.13	8.50	1: 7.56	0.88	7.00	1: 8.00	0.88	6.50	1: 7.43
from goat	0.75	6.00	1: 8.00	0.63	5.00	1: 8.00	0.75	6.00	1: 8.00
CRUST from cattle	5.10	31.60	1: 6.20	4.40	32.50	1: 7.39	3.50	29.60	1: 8.46
from calf	0.67	6.90	1: 10.36	0.67	6.90	1: 10.36	0.50	5.40	1: 10.80
from sheep	0.41	8.50	1: 20.99	0.32	7.00	1: 22.22	0.32	6.50	1: 20.63
from goat	0.25	6.00	1: 23.81	0.21	5.00	1: 23.81	0.25	6.00	1: 24.00
FINISHED LIGHT LEATHER from cattle	3.80	*31.30	1: 8.24	3.30	*32.30	1: 9.79	2.60	29.30	1: 11.27
from calf	0.60	6.90	1: 11.50	0.60	6.90	1: 11.50	0.45	5.40	1: 12.00
from sheep	0.36	8.50	1: 23.61	0.28	7.00	1: 25.00	0.28	6.50	1: 23.21
from goat	0.35	6.00	1: 16.95	0.24	5.00	1: 21.28	0.28	6.00	1: 21.43
from pig									
FINISHED HEAVY LEATHER from cattle	10.90	31.00	1: 2.84	10.50	32.00	1: 3.05	8.30	29.00	1: 3.49

*Plus approx. 2 sq.ft. of split leather on average.

DEVELOPING COUNTRIES	BOTSWANA			BURUNDI			CAMEROON		
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
<u>AFRICA</u>									
<u>RAW HIDES AND SKINS</u>									
CATTLEHIDES wet salted									
dry	7.50	33.00	1: 4.40	7.00	28.00	1: 4.00	7.50	33.30	1: 4.44
CALFSKINS wet salted									
dry	0.88	8.50	1: 9.66	0.63	6.30	1: 10.00	0.63	6.30	1: 10.00
SHEEPSKINS pickled	1.35	8.50	1: 6.30	1.05	6.50	1: 6.19	0.90	5.10	1: 5.67
dry	0.90	8.50	1: 9.44	0.70	6.50	1: 9.29	0.60	5.10	1: 8.50
GOATSKINS pickled	0.90	6.00	1: 6.67	0.75	5.00	1: 6.67	0.60	4.50	1: 7.50
dry	0.60	6.00	1: 10.00	0.50	5.00	1: 10.00	0.40	4.50	1: 11.25
PIGSKINS wet salted									
<u>TANNED HIDES AND SKINS</u>									
WET BLUE from cattle	17.40	32.80	1: 1.89	16.30	27.80	1: 1.71	17.40	33.10	1: 1.90
from calf	2.10	8.50	1: 4.05	1.50	6.30	1: 4.20	1.50	6.30	1: 4.20
from sheep	1.13	8.50	1: 7.56	0.88	6.50	1: 7.43	0.75	5.10	1: 6.80
from goat	0.75	6.00	1: 8.00	0.63	5.00	1: 8.00	0.50	4.50	1: 9.00
CRUST from cattle	4.70	32.50	1: 6.91	4.40	27.60	1: 6.27	4.70	32.80	1: 6.98
from calf	0.83	8.40	1: 10.08	0.60	6.20	1: 10.33	0.60	6.20	1: 10.33
from sheep	0.41	8.50	1: 20.99	0.32	6.50	1: 20.63	0.27	5.10	1: 18.89
from goat	0.28	6.00	1: 21.43	0.21	5.00	1: 23.81	0.17	4.50	1: 26.47
FINISHED LIGHT LEATHER from cattle	3.50	*32.30	1: 9.23	3.30	27.40	1: 8.30	3.50	*33.80	1: 9.66
from calf	0.75	8.40	1: 11.20	0.54	6.20	1: 11.48	0.54	6.20	1: 11.48
from sheep	0.36	8.50	1: 23.61	0.28	6.50	1: 23.21	0.24	5.10	1: 21.25
from goat	0.28	6.00	1: 21.43	0.24	5.00	1: 21.28	0.19	4.50	1: 23.68
from pig									
FINISHED HEAVY LEATHER from cattle	11.30	32.00	1: 2.83	10.50	27.00	1: 2.57	11.30	33.00	1: 2.92

*Plus approx. 2 sq.ft. of split leather on average.

DEVELOPING COUNTRIES	CENTRAL AF AFRICAN REPUBLIC			CHAD			CONGO		
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
<u>AFRICA</u>									
<u>RAW HIDES AND SKINS</u>									
CATTLEHIDES wet salted									
dry	7.00	35.00	1: 5.00	7.00	35.00	1: 5.00	7.00	30.00	1: 4.29
CALFSKINS wet salted									
dry	0.63	6.30	1: 10.00	0.63	6.30	1: 10.00	0.53	5.50	1: 10.38
SHEEPSKINS pickled	1.35	8.00	1: 5.93	1.35	8.00	1: 5.93	0.90	5.50	1: 6.11
dry	0.90	8.00	1: 8.89	0.90	8.00	1: 8.89	0.60	5.50	1: 9.17
GOATSKINS pickled	1.20	8.00	1: 6.67	1.13	7.00	1: 6.22	1.05	6.00	1: 5.71
dry	0.90	8.00	1: 8.89	0.75	7.00	1: 9.33	0.70	6.00	1: 8.57
PIGSKINS wet salted									
<u>TANNED HIDES AND SKINS</u>									
WET BLUE from cattle	16.30	34.80	1: 2.13	16.30	34.80	1: 2.13	16.30	29.90	1: 1.83
from calf	1.50	6.30	1: 4.20	1.50	6.30	1: 4.20	1.26	5.50	1: 4.37
from sheep	1.13	8.00	1: 7.11	1.13	8.00	1: 7.11	0.75	5.50	1: 7.33
from goat	1.13	8.00	1: 7.11	0.94	7.00	1: 7.45	0.88	6.00	1: 6.86
CRUST from cattle	4.40	34.50	1: 7.84	4.40	34.50	1: 7.84	4.40	29.60	1: 6.73
from calf	0.60	6.20	1: 10.33	0.60	6.20	1: 10.33	0.65	5.40	1: 8.31
from sheep	0.41	8.00	1: 19.75	0.41	8.00	1: 19.75	0.27	5.50	1: 20.37
from goat	0.38	8.00	1: 21.05	0.32	7.00	1: 22.22	0.29	6.00	1: 20.69
FINISHED LIGHT LEATHER from cattle	3.30	*34.20	1: 10.36	3.30	*33.00	1: 10.00	3.30	*29.30	1: 8.88
from calf	0.54	6.20	1: 11.48	0.54	6.20	1: 11.48	0.45	5.40	1: 12.00
from sheep	0.36	8.00	1: 22.22	0.36	8.00	1: 22.22	0.24	5.50	1: 22.92
from goat	0.42	8.00	1: 19.05	0.35	7.00	1: 20.00	0.33	6.00	1: 18.18
from pig									
FINISHED HEAVY LEATHER from cattle	10.50	34.00	1: 3.24	10.50	32.50	1: 3.10	10.50	29.00	1: 2.76

*Plus approx. 2 sq.ft. of split leather on average.

DEVELOPING COUNTRIES	ETHIOPIA			GABON			GAMBIA		
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
<u>AFRICA</u>									
<u>RAW HIDES AND SKINS</u>									
CATTLEHIDES wet salted									
dry	5.00	26.00	1: 5.20	7.00	30.00	1: 4.29	5.50	30.00	1: 5.45
CALFSKINS wet salted									
dry	0.88	8.50	1: 9.66	0.53	5.50	1: 10.38	0.53	5.50	1: 10.38
SHEEPSKINS pickled	1.20	6.00	1: 5.00	1.20	8.00	1: 6.67	1.14	8.00	1: 7.02
dry	0.80	6.00	1: 7.50	0.80	8.00	1: 10.00	0.76	8.00	1: 10.53
GOATSKINS pickled	0.75	4.75	1: 6.33	0.98	6.00	1: 6.15	1.05	7.00	1: 6.67
dry	0.50	4.75	1: 9.50	0.65	6.00	1: 9.23	0.75	7.00	1: 9.33
PIGSKINS wet salted									
<u>TANNED HIDES AND SKINS</u>									
WET BLUE from cattle	11.60	25.80	1: 2.22	16.30	29.90	1: 1.83	12.80	29.90	1: 2.34
from calf	2.10	8.50	1: 4.05	1.26	5.50	1: 4.37	1.26	5.50	1: 4.36
from sheep	1.00	6.00	1: 6.00	1.00	8.00	1: 8.00	0.95	8.00	1: 8.42
from goat	0.63	4.75	1: 7.54	0.81	6.00	1: 7.41	0.94	7.00	1: 7.45
CRUST from cattle	3.20	25.40	1: 7.94	4.40	29.60	1: 6.73	3.50	29.60	1: 8.46
from calf	0.88	8.40	1: 9.51	0.50	5.40	1: 10.80	0.50	5.40	1: 10.80
from sheep	0.36	6.00	1: 16.66	0.36	8.00	1: 22.22	0.34	8.00	1: 23.53
from goat	0.21	4.75	1: 22.62	0.27	6.00	1: 22.22	0.32	7.00	1: 22.22
FINISHED LIGHT LEATHER from cattle	2.40	25.00	1: 10.42	3.30	29.30	1: 8.88	2.60	29.30	1: 11.27
from calf	0.75	8.40	1: 11.20	0.45	5.40	1: 12.00	0.45	5.40	1: 12.00
from sheep	0.32	6.00	1: 18.75	0.32	8.00	1: 25.00	0.30	8.00	1: 26.67
from goat	0.24	4.75	1: 19.79	0.31	6.00	1: 19.67	0.35	7.00	1: 20.00
from pig									
FINISHED HEAVY LEATHER from cattle	10.00	25.00	1: 2.50	10.50	29.00	1: 2.76	8.30	29.00	1: 3.49

DEVELOPING COUNTRIES	GHANA			GUINEA			IVORY COAST		
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
<u>AFRICA</u>									
<u>RAW HIDES AND SKINS</u>									
CATTLEHIDES wet salted									
dry	5.50	25.00	1: 4.55	5.00	20.00	1: 4.00	5.50	30.00	1: 5.45
CALFSKINS wet salted									
dry	0.53	5.50	1: 10.38	0.53	5.50	1: 10.38	0.53	5.50	1: 10.38
SHEEPSKINS pickled	0.94	7.00	1: 7.45	1.20	8.00	1: 6.67	1.05	7.00	1: 6.67
dry	0.63	7.00	1: 11.20	0.80	8.00	1: 10.00	0.70	7.00	1: 10.00
GOATSKINS pickled	0.90	6.00	1: 6.67	0.90	6.00	1: 6.67	0.99	6.00	1: 6.06
dry	0.60	6.00	1: 10.00	0.60	6.00	1: 10.00	0.66	6.00	1: 9.09
PIGSKINS wet salted									
<u>TANNED HIDES AND SKINS</u>									
WET BLUE from cattle	12.80	24.90	1: 1.94	11.60	19.90	1: 1.72	12.80	29.90	1: 2.34
from calf	1.26	5.50	1: 4.37	1.26	5.50	1: 4.37	1.26	5.50	1: 4.36
from sheep	0.78	7.00	1: 8.97	1.00	8.00	1: 8.00	0.88	7.00	1: 8.00
from goat	0.75	6.00	1: 8.00	0.75	6.00	1: 8.00	0.83	6.00	1: 7.27
CRUST from cattle	3.50	24.70	1: 7.06	3.20	19.70	1: 6.16	3.50	29.60	1: 8.46
from calf	0.50	5.40	1: 10.80	0.50	5.40	1: 10.80	0.50	5.40	1: 10.80
from sheep	0.28	7.00	1: 25.00	0.36	8.00	1: 22.22	0.32	7.00	1: 22.22
from goat	0.25	6.00	1: 24.00	0.25	6.00	1: 24.00	0.28	6.00	1: 21.43
FINISHED LIGHT LEATHER from cattle	2.60	24.40	1: 9.38	2.40	19.60	1: 8.17	2.60	29.30	1: 11.27
from calf	0.45	5.40	1: 12.00	0.45	5.40	1: 12.00	0.45	5.40	1: 12.00
from sheep	0.25	7.00	1: 28.00	0.32	8.00	1: 25.00	0.28	7.00	1: 25.00
from goat	0.28	6.00	1: 21.43	0.28	6.00	1: 21.43	0.31	6.00	1: 19.35
from pig									
FINISHED HEAVY LEATHER from cattle	8.30	24.00	1: 2.89	7.50	19.00	1: 2.53	8.30	29.00	1: 3.49

DEVELOPING COUNTRIES	KENYA			LESOTHO			LIBERIA		
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
<u>AFRICA</u>									
<u>RAW HIDES AND SKINS</u>									
CATTLEHIDES wet salted									
dry	5.00	28.00	1: 5.60	5.33	30.00	1: 5.63	5.50	21.00	1: 3.82
CALFSKINS wet salted									
dry	0.70	7.00	1: 10.00	0.88	8.50	1: 9.66	0.53	5.50	1: 10.38
SHEEPSKINS pickled	1.14	5.50	1: 4.82	0.90	6.00	1: 6.67	0.90	6.00	1: 6.67
dry	0.76	5.50	1: 7.24	0.60	6.00	1: 10.00	0.60	6.00	1: 10.00
GOATSKINS pickled	0.90	5.00	1: 5.56	0.75	5.00	1: 6.67	0.90	6.00	1: 6.67
dry	0.60	5.00	1: 8.33	0.50	5.00	1: 10.00	0.60	6.00	1: 10.00
PIGSKINS wet salted									
<u>TANNED HIDES AND SKINS</u>									
WET BLUE from cattle	11.60	27.80	1: 2.40	12.40	29.80	1: 2.40	12.80	20.90	1: 1.63
from calf	1.68	7.00	1: 4.17	2.10	8.50	1: 4.05	1.26	5.50	1: 4.37
from sheep	0.95	5.50	1: 5.79	0.75	6.00	1: 8.00	0.75	6.00	1: 8.00
from goat	0.75	5.00	1: 6.66	0.63	5.00	1: 8.00	0.75	6.00	1: 8.00
CRUST from cattle	3.20	27.60	1: 8.63	3.40	29.60	1: 8.71	3.50	20.70	1: 5.91
from calf	0.67	6.90	1: 10.36	0.83	8.40	1: 10.08	0.50	5.40	1: 10.80
from sheep	0.34	5.50	1: 16.18	0.27	6.00	1: 22.22	0.27	6.00	1: 22.22
from goat	0.25	5.00	1: 20.00	0.21	5.00	1: 23.81	0.25	6.00	1: 24.00
FINISHED LIGHT LEATHER from cattle	2.40	27.40	1: 11.42	2.50	29.30	1: 11.72	2.60	20.50	1: 7.88
from calf	0.60	6.90	1: 11.50	0.75	8.40	1: 11.20	0.45	5.40	1: 12.00
from sheep	0.30	5.50	1: 18.33	0.24	6.00	1: 25.00	0.24	6.00	1: 25.00
from goat	0.28	5.00	1: 17.86	0.24	5.00	1: 21.28	0.28	6.00	1: 21.43
from pig									
FINISHED HEAVY LEATHER from cattle	8.00	27.00	1: 3.38	8.00	29.00	1: 3.63	8.30	20.00	1: 2.41

DEVELOPING COUNTRIES	MADAGASCAR			MALAWI			MALI		
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
<u>AFRICA</u>									
<u>RAW HIDES AND SKINS</u>									
CATTLEHIDES									
wet salted	20.00	30.00	1: 1.50						
dry	7.70	30.00	1: 3.90	6.50	30.00	1: 4.62	5.50	31.00	1: 5.64
CALFSKINS									
wet salted									
dry	0.63	6.30	1: 10.00	0.70	7.00	1: 10.00	0.63	6.30	1: 10.00
SHEEPSKINS									
pickled	0.75	5.00	1: 6.67	1.20	8.00	1: 6.67	1.13	8.00	1: 7.11
dry	0.50	5.00	1: 10.00	0.80	8.00	1: 10.00	0.75	8.00	1: 10.67
GOATSKINS									
pickled	1.20	5.00	1: 4.17	0.90	6.00	1: 6.67	0.83	6.00	1: 7.27
dry	0.80	5.00	1: 6.25	0.60	6.00	1: 10.00	0.55	6.00	1: 10.91
PIGSKINS									
wet salted									
<u>TANNED HIDES AND SKINS</u>									
WET BLUE									
from cattle	17.60	29.80	1: 1.69	15.10	29.80	1: 1.97	12.80	30.80	1: 2.41
from calf	1.50	6.30	1: 4.20	1.68	7.00	1: 4.17	1.50	6.30	1: 4.20
from sheep	0.63	5.00	1: 8.00	1.00	8.00	1: 8.00	0.94	8.00	1: 8.51
from goat	1.00	5.00	1: 5.00	0.75	6.00	1: 8.00	0.69	6.00	1: 8.70
CRUST									
from cattle	5.10	29.60	1: 5.80	4.10	29.60	1: 7.22	3.50	30.60	1: 8.74
from calf	0.60	6.20	1: 10.33	0.67	6.90	1: 10.36	0.60	6.20	1: 10.33
from sheep	0.21	5.00	1: 23.81	0.36	8.00	1: 22.22	0.34	8.00	1: 23.53
from goat	0.34	5.00	1: 14.71	0.25	6.00	1: 24.00	0.23	6.00	1: 26.09
FINISHED LIGHT LEATHER									
from cattle	3.60	29.30	1: 8.14	3.10	29.30	1: 9.45	2.60	30.30	1: 11.65
from calf	0.54	6.20	1: 11.48	0.60	6.90	1: 11.50	0.54	6.20	1: 11.48
from sheep	0.20	5.00	1: 25.00	0.32	8.00	1: 25.00	0.30	8.00	1: 26.67
from goat	0.38	5.00	1: 13.16	0.28	6.00	1: 21.43	0.26	6.00	1: 23.08
from pig									
FINISHED HEAVY LEATHER									
from cattle	11.60	30.00	1: 2.59	9.80	29.00	1: 2.96	8.30	29.00	1: 3.49

DEVELOPING COUNTRIES	MAURITANIA			MOROCCO			MOZAMBIQUE		
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
<u>AFRICA</u>									
<u>RAW HIDES AND SKINS</u>									
CATTLEHIDES									
wet salted				17.00	30.00	1: 1.76	21.80	33.00	1: 1.51
dry	5.50	30.00	1: 5.45	6.00	30.00	1: 5.00	6.50	33.00	1: 5.08
CALFSKINS									
wet salted				1.90	7.00	1: 3.68			
dry	0.63	6.30	1: 10.00				0.88	8.50	1: 9.66
SHEEPSKINS									
pickled	0.98	7.00	1: 7.18	0.90	5.50	1: 6.11	1.05	6.50	1: 6.19
dry	0.65	7.00	1: 10.77	0.60	5.50	1: 9.17	0.70	6.50	1: 9.29
GOATSKINS									
pickled	0.75	5.00	1: 6.67	0.83	5.23	1: 6.30	0.83	5.50	1: 6.67
dry	0.50	5.00	1: 10.00	0.55	5.23	1: 9.50	0.55	5.50	1: 10.00
PIGSKINS									
wet salted									
<u>TANNED HIDES AND SKINS</u>									
WET BLUE									
from cattle	12.80	29.80	1: 2.33	14.00	29.90	1: 2.14	15.10	32.80	1: 2.17
from calf	1.50	6.30	1: 4.20	1.68	7.00	1: 4.17	2.10	8.50	1: 4.05
from sheep	0.81	7.00	1: 8.64	0.75	5.50	1: 7.33	0.88	6.50	1: 7.43
from goat	0.69	5.00	1: 7.25	0.69	5.23	1: 7.58	0.69	5.50	1: 7.97
CRUST									
from cattle	3.50	29.60	1: 8.46	4.20	29.60	1: 7.05	4.10	32.50	1: 7.93
from calf	0.60	6.20	1: 10.33	0.67	6.90	1: 10.36	0.83	8.40	1: 10.08
from sheep	0.29	7.00	1: 24.14	0.27	5.50	1: 20.37	0.32	6.50	1: 20.63
from goat	0.21	5.00	1: 23.81	0.23	5.23	1: 22.74	0.23	5.50	1: 23.91
FINISHED LIGHT LEATHER									
from cattle	2.60	29.30	1: 11.27	2.80	29.30	1: 10.46	4.00	*33.00	1: 8.25
from calf	0.54	6.20	1: 11.48	0.60	6.90	1: 11.50	0.75	8.40	1: 11.20
from sheep	0.26	7.00	1: 26.92	0.24	5.50	1: 22.92	0.28	6.50	1: 23.21
from goat	0.24	5.00	1: 21.28	0.26	5.23	1: 20.12	0.26	5.50	1: 21.15
from pig									
FINISHED HEAVY LEATHER									
from cattle	8.30	29.00	1: 3.49	9.00	30.00	1: 3.33	15.60	46.80	1: 3.00

*Plus approx. 6 sq.ft. of split leather on average.

DEVELOPING COUNTRIES	NAMIBIA			NIGER			NIGERIA		
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
<u>AFRICA</u>									
<u>RAW HIDES AND SKINS</u>									
CATTLEHIDES wet salted									
dry	7.50	33.00	1: 4.40	5.50	30.70	1: 5.58	6.00	22.00	1: 3.67
CALFSKINS wet salted									
dry	0.88	8.50	1: 9.66	0.63	6.30	1: 10.00	0.63	5.00	1: 7.94
SHEEPSKINS pickled	1.28	9.00	1: 7.06	1.20	8.00	1: 6.67	0.94	5.50	1: 5.85
dry	0.85	9.00	1: 10.59	0.80	8.00	1: 10.00	0.63	5.50	1: 8.73
GOATSKINS pickled	0.90	6.00	1: 6.67	0.69	5.00	1: 7.25	0.65	4.73	1: 7.28
dry	0.60	6.00	1: 10.00	0.46	5.00	1: 10.87	0.43	4.73	1: 11.00
PIGSKINS wet salted									
<u>TANNED HIDES AND SKINS</u>									
WET BLUE from cattle	17.40	32.80	1: 1.89	12.80	30.50	1: 2.38	14.00	22.00	1: 1.57
from calf	2.10	8.50	1: 4.05	1.50	6.30	1: 4.20	1.50	6.30	1: 4.20
from sheep	1.06	9.00	1: 8.49	1.00	8.00	1: 8.00	0.78	5.50	1: 7.05
from goat	0.75	6.00	1: 8.00	0.58	5.00	1: 8.70	0.54	4.73	1: 8.76
CRUST from cattle	4.70	32.50	1: 6.91	3.50	30.20	1: 8.63	3.80	25.60	1: 6.74
from calf	0.83	8.40	1: 10.08	0.60	6.20	1: 10.33	0.60	6.20	1: 10.33
from sheep	0.38	9.00	1: 23.68	0.36	8.00	1: 22.22	0.28	5.50	1: 19.64
from goat	0.25	6.00	1: 24.00	0.19	5.00	1: 26.32	0.18	4.73	1: 26.28
FINISHED LIGHT LEATHER from cattle	3.50	*32.30	1: 9.23	2.60	**30.00	1: 11.54	2.50	*22.00	1: 8.80
from calf	0.75	8.40	1: 11.20	0.54	6.20	1: 11.48	0.54	6.20	1: 11.48
from sheep	0.34	9.00	1: 26.47	0.32	8.00	1: 25.00	0.25	5.50	1: 22.00
from goat	0.28	6.00	1: 21.43	0.22	5.00	1: 23.04	0.20	4.73	1: 23.65
from pig									
FINISHED HEAVY LEATHER from cattle	11.30	32.00	1: 2.83	14.00	30.00	1: 2.14	13.60	26.00	1: 1.91

*Plus approx. 6 sq.ft. of split leather on average. **Plus approx. 3 sq.ft. of split leather on average.

DEVELOPING COUNTRIES	RWANDA			SENEGAL			SIERRA LEONE		
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
<u>AFRICA</u>									
<u>RAW HIDES AND SKINS</u>									
CATTLEHIDES wet salted									
dry	7.00	27.50	1: 3.93	6.00	31.00	1: 5.17	5.00	19.00	1: 3.80
CALFSKINS wet salted									
dry	0.63	6.30	1: 10.00	0.63	6.30	1: 10.00	0.53	5.50	1: 10.38
SHEEPSKINS pickled	0.75	5.00	1: 6.67	1.05	5.50	1: 5.24	0.90	5.50	1: 6.11
dry	0.50	5.00	1: 10.00	0.70	5.50	1: 7.85	0.60	5.50	1: 9.17
GOATSKINS pickled	0.60	4.00	1: 6.67	0.67	4.78	1: 7.13	0.75	5.00	1: 6.67
dry	0.40	4.00	1: 10.00	0.45	4.78	1: 10.62	0.50	5.00	1: 10.00
PIGSKINS wet salted									
<u>TANNED HIDES AND SKINS</u>									
WET BLUE from cattle	16.30	27.30	1: 1.67	14.00	30.80	1: 2.20	11.60	18.90	1: 1.63
from calf	1.50	6.30	1: 4.20	1.50	6.30	1: 4.20	1.26	5.50	1: 4.37
from sheep	0.63	5.00	1: 8.00	0.88	5.50	1: 6.25	0.75	5.50	1: 7.33
from goat	0.50	4.00	1: 8.00	0.56	4.78	1: 8.54	0.63	5.00	1: 8.00
CRUST from cattle	4.40	27.11	1: 6.16	3.80	30.60	1: 8.05	3.20	18.70	1: 5.84
from calf	0.60	6.20	1: 10.33	0.60	6.20	1: 10.33	0.50	5.40	1: 10.80
from sheep	0.21	5.00	1: 23.81	0.32	5.50	1: 17.19	0.27	5.50	1: 20.37
from goat	0.17	4.00	1: 23.53	0.19	4.78	1: 25.16	0.21	5.00	1: 24.00
FINISHED LIGHT LEATHER from cattle	3.30	26.90	1: 8.15	2.50	30.30	1: 12.12	2.40	18.60	1: 7.75
from calf	0.54	6.20	1: 11.48	0.54	6.20	1: 11.48	0.45	5.40	1: 12.00
from sheep	0.20	5.00	1: 25.00	0.28	5.50	1: 19.64	0.24	5.50	1: 22.92
from goat	0.19	4.00	1: 21.05	0.21	4.78	1: 22.76	0.23	5.00	1: 21.43
from pig									
FINISHED HEAVY LEATHER from cattle	10.50	27.00	1: 2.57	9.00	30.00	1: 3.33	8.00	18.00	1: 2.25

DEVELOPING COUNTRIES	SOMALIA			SWAZILAND			TANZANIA		
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
AFRICA									
RAW HIDES AND SKINS									
CATTLEHIDES									
wet salted	17.00	30.50	1: 1.79						
dry	6.20	30.50	1: 4.92	8.50	42.00	1: 4.94	5.00	25.00	1: 5.00
CALFSKINS									
wet salted									
dry	0.63	6.30	1: 10.00	1.23	10.50	1: 8.54	1.58	15.20	1: 9.62
SHEEPSKINS									
pickled	0.90	4.50	1: 6.67	1.43	9.00	1: 6.32	1.05	4.55	1: 4.33
dry	0.60	4.50	1: 10.00	0.95	9.00	1: 9.47	0.70	4.55	1: 6.50
GOATSKINS									
pickled	0.83	5.50	1: 6.67	1.44	9.00	1: 6.25	0.83	4.50	1: 5.42
dry	0.55	5.50	1: 10.00	0.96	9.00	1: 9.38	0.55	4.50	1: 8.18
PIGSKINS									
wet salted									
TANNED HIDES AND SKINS									
WET BLUE									
from cattle	14.40	30.40	1: 2.11	19.80	41.80	1: 2.11	11.60	24.90	1: 2.15
from calf	1.50	6.30	1: 4.20	2.90	10.40	1: 3.59	3.80	15.10	1: 3.97
from sheep	0.75	4.50	1: 6.02	1.19	9.00	1: 7.56	0.88	4.55	1: 5.17
from goat	0.74	5.50	1: 7.43	1.20	9.00	1: 7.50	0.69	4.50	1: 6.52
CRUST									
from cattle	3.90	30.20	1: 7.74	5.40	41.40	1: 7.67	3.20	24.70	1: 7.72
from calf	0.60	6.20	1: 10.33	1.17	10.40	1: 8.89	1.50	15.00	1: 10.00
from sheep	0.27	4.50	1: 16.66	0.43	9.00	1: 20.93	0.29	4.55	1: 15.69
from goat	0.26	5.50	1: 21.15	0.40	9.00	1: 22.50	0.23	4.50	1: 19.57
FINISHED LIGHT LEATHER									
from cattle	3.00	*30.00	1: 10.00	4.00	**41.10	1: 10.28	2.40	***25.00	1: 10.42
from calf	0.54	6.20	1: 11.48	1.05	10.40	1: 9.90	1.35	15.00	1: 11.11
from sheep	0.24	4.50	1: 18.75	0.38	9.00	1: 23.68	0.28	4.55	1: 16.25
from goat	0.28	5.50	1: 19.64	0.45	9.00	1: 20.00	0.26	4.50	1: 17.31
from pig									
FINISHED HEAVY LEATHER									
from cattle	9.30	30.00	1: 3.23	15.00	42.00	1: 2.80	8.20	29.00	1: 3.54

*Plus approx. 6 sq.ft. of split leather on average. **Plus approx. 12 sq.ft. of split leather on average. ***Plus approx. 4 sq.ft. of split leather on average.

DEVELOPING COUNTRIES	TOGO			TUNISIA			UGANDA		
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
<u>AFRICA</u>									
<u>RAW HIDES AND SKINS</u>									
CATTLEHIDES wet salted				19.80	33.30	1: 1.68			
dry	5.50	30.00	1: 5.45				5.50	25.00	1: 4.55
CALFSKINS wet salted				1.90	7.00	1: 3.68			
dry	0.53	5.50	1: 10.38				0.70	7.00	1: 10.00
SHEEPSKINS pickled	0.75	5.00	1: 6.67	0.90	5.00	1: 5.56	1.00	6.00	1: 6.00
dry	0.50	5.00	1: 10.00	0.60	5.00	1: 8.33	0.67	6.00	1: 8.96
GOATSKINS pickled	0.90	5.00	1: 5.56	0.68	4.10	1: 6.07	0.80	6.00	1: 7.55
dry	0.60	5.00	1: 8.33	0.45	4.10	1: 9.11	0.53	6.00	1: 11.32
PIGSKINS wet salted									
<u>TANNED HIDES AND SKINS</u>									
WET BLUE from cattle	12.80	29.80	1: 2.33	17.20	33.10	1: 1.92	12.80	24.90	1: 1.95
from calf	1.26	5.50	1: 4.37	1.68	7.00	1: 4.17	1.68	7.00	1: 4.17
from sheep	0.63	5.00	1: 8.00	0.75	5.00	1: 6.67	0.84	6.00	1: 7.14
from goat	0.75	5.00	1: 6.67	0.56	4.10	1: 7.32	0.66	6.00	1: 9.09
CRUST from cattle	3.50	29.60	1: 8.46	5.30	32.80	1: 6.19	3.50	24.70	1: 7.06
from calf	0.50	5.40	1: 10.80	0.67	6.90	1: 10.36	0.67	6.90	1: 10.36
from sheep	0.21	5.00	1: 23.81	0.27	5.00	1: 18.52	0.30	6.00	1: 20.00
from goat	0.25	5.00	1: 20.00	0.19	4.10	1: 21.58	0.22	6.00	1: 27.27
FINISHED LIGHT LEATHER from cattle	2.60	29.30	1: 11.27	3.40	*33.00	1: 9.71	6.20	*30.00	1: 4.84
from calf	0.45	5.40	1: 12.00	0.60	6.90	1: 11.50	0.60	6.90	1: 11.50
from sheep	0.20	5.00	1: 25.00	0.24	5.00	1: 20.83	0.27	6.00	1: 22.22
from goat	0.28	5.00	1: 17.86	0.21	4.10	1: 19.52	0.25	6.00	1: 24.00
from pig									
FINISHED HEAVY LEATHER from cattle	8.30	25.00	1: 3.01	10.80	32.50	1: 3.01	8.30	25.00	1: 3.01

*Plus approx. 6 sq.ft. of split leather on average.

DEVELOPING COUNTRIES	BURKINA FASO			ZAIRE			ZAMBIA		
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
<u>AFRICA</u>									
<u>RAW HIDES AND SKINS</u>									
CATTLEHIDES									
wet salted				16.00	27.00	1: 1.69	**17.00	30.00	1: 1.76
dry	5.00	28.00	1: 5.60	7.00	27.00	1: 3.86	7.50	30.00	1: 4.00
CALFSKINS									
wet salted									
dry	0.63	6.30	1: 10.00	0.63	6.30	1: 10.00	0.88	8.50	1: 9.66
SHEEPSKINS									
pickled	0.90	6.00	1: 6.67	0.90	5.00	1: 5.56	1.20	8.00	1: 6.67
dry	0.60	6.00	1: 10.00	0.60	5.00	1: 8.33	0.80	8.00	1: 10.00
GOATSKINS									
pickled	0.90	5.00	1: 5.56	0.75	4.50	1: 6.00	1.20	7.00	1: 5.83
dry	0.60	5.00	1: 8.33	0.50	4.50	1: 9.00	0.80	7.00	1: 8.75
PIGSKINS									
wet salted									
<u>TANNED HIDES AND SKINS</u>									
WET BLUE									
from cattle	11.60	27.80	1: 2.40	16.50	26.90	1: 1.63	17.40	29.80	1: 1.71
from calf	1.50	6.30	1: 4.20	1.50	6.30	1: 4.20	2.10	8.50	1: 4.05
from sheep	0.75	6.00	1: 8.00	0.75	5.00	1: 6.67	1.00	8.00	1: 8.00
from goat	0.75	5.00	1: 6.67	0.63	4.50	1: 7.20	1.00	7.00	1: 7.00
CRUST									
from cattle	3.20	27.60	1: 8.63	4.40	26.60	1: 6.05	4.70	29.60	1: 6.30
from calf	0.60	6.20	1: 10.33	0.60	6.20	1: 10.33	0.83	8.40	1: 10.08
from sheep	0.27	6.00	1: 22.22	0.27	5.00	1: 18.52	0.36	8.00	1: 22.22
from goat	0.25	5.00	1: 20.00	0.21	4.50	1: 21.43	0.34	7.00	1: 20.59
FINISHED LIGHT LEATHER									
from cattle	2.40	27.40	1: 11.42	3.30	26.40	1: 8.00	3.50	*29.30	1: 8.37
from calf	0.54	6.20	1: 11.48	0.54	6.20	1: 11.48	0.75	8.40	1: 11.20
from sheep	0.24	6.00	1: 25.00	0.24	5.00	1: 20.83	0.32	8.00	1: 25.00
from goat	0.28	5.00	1: 17.86	0.24	4.50	1: 19.15	0.38	7.00	1: 18.42
from pig									
FINISHED HEAVY LEATHER									
from cattle	8.00	25.00	1: 3.13	10.50	26.00	1: 2.48	11.30	29.00	1: 2.57

*Plus approx. 2 sq.ft. of split leather on average. **From UNIDO report on H/S 1991 page 169. See also page 170.

DEVELOPING COUNTRIES	ZIMBABWE								
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
<u>AFRICA</u>									
<u>RAW HIDES AND SKINS</u>									
CATTLEHIDES									
wet salted	20.00	29.00	1: 1.45						
dry	8.00	29.00	1: 3.63						
CALFSKINS									
wet salted									
dry	0.88	8.50	1: 9.66						
SHEEPSKINS									
pickled	1.20	8.00	1: 6.67						
dry	0.80	8.00	1: 10.00						
GOATSKINS									
pickled	1.20	7.00	1: 5.83						
dry	0.80	7.00	1: 8.75						
PIGSKINS									
wet salted									
<u>TANNED HIDES AND SKINS</u>									
WET BLUE									
from cattle	18.60	28.80	1: 1.55						
from calf	2.10	8.50	1: 4.05						
from sheep	1.00	8.00	1: 8.00						
from goat	1.00	7.00	1: 7.00						
CRUST									
from cattle	5.00	28.60	1: 5.72						
from calf	0.83	8.40	1: 10.08						
from sheep	0.36	8.00	1: 22.22						
from goat	0.34	7.00	1: 20.59						
FINISHED LIGHT LEATHER									
from cattle	3.80	28.40	1: 7.47						
from calf	0.75	8.40	1: 11.20						
from sheep	0.32	8.00	1: 25.00						
from goat	0.38	7.00	1: 18.42						
from pig									
FINISHED HEAVY LEATHER									
from cattle	12.00	28.00	1: 2.33						

DEVELOPING COUNTRIES	EGYPT			LIBYA			SUDAN		
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
NEAR EAST IN AFRICA									
RAW HIDES AND SKINS									
CATTLEHIDES									
wet salted	22.60	34.40	1: 1.52				20.00	34.00	1: 1.70
dry				7.70	36.00	1: 4.68	8.10	34.00	1: 4.20
CALFSKINS									
wet salted	2.85	10.00	1: 3.51						
dry				0.70	7.00	1: 10.00	0.70	7.00	1: 10.00
SHEEPSKINS									
pickled	1.05	6.50	1: 6.19	1.20	7.00	1: 5.83	1.20	7.00	1: 5.83
dry	0.70	6.50	1: 9.29	0.80	7.00	1: 8.75	0.80	7.00	1: 8.75
GOATSKINS									
pickled	0.90	3.50	1: 3.89	0.83	5.50	1: 6.67	0.83	5.50	1: 6.67
dry	0.60	3.50	1: 5.83	0.55	5.50	1: 10.00	0.55	5.50	1: 10.00
PIGSKINS									
wet salted									
TANNED HIDES AND SKINS									
WET BLUE									
from cattle	19.70	34.20	1: 1.74	17.90	35.90	1: 2.01	18.90	33.80	1: 1.79
from calf	2.50	10.00	1: 4.00	1.68	7.00	1: 4.17	1.68	7.00	1: 4.17
from sheep	0.88	6.50	1: 7.43	1.00	7.00	1: 7.00	1.00	7.00	1: 7.00
from goat	0.75	3.50	1: 4.67	0.69	5.50	1: 7.97	0.69	5.50	1: 7.97
CRUST									
from cattle	6.10	33.90	1: 5.56	4.90	35.50	1: 7.24	5.10	33.50	1: 6.57
from calf	1.00	9.90	1: 9.90	0.67	6.90	1: 10.36	0.67	6.90	1: 10.36
from sheep	0.32	6.50	1: 20.63	0.36	7.00	1: 19.44	0.36	7.00	1: 19.44
from goat	0.25	3.50	1: 14.00	0.23	5.50	1: 23.91	0.23	5.50	1: 23.91
FINISHED LIGHT LEATHER									
from cattle	4.00	*34.30	1: 8.58	3.60	**36.00	1: 10.00	3.80	***32.00	1: 8.42
from calf	0.90	10.00	1: 11.11	0.60	6.90	1: 11.50	0.60	6.90	1: 11.50
from sheep	0.28	6.50	1: 23.21	0.32	7.00	1: 21.88	0.32	7.00	1: 21.88
from goat	0.28	3.50	1: 12.50	0.26	5.50	1: 21.15	0.26	5.50	1: 21.15
from pig									
FINISHED HEAVY LEATHER									
from cattle	18.00	34.00	1: 1.89	11.60	35.00	1: 3.02	12.20	32.00	1: 2.62

*Plus approx. 2 sq.ft. of split leather on average. **Plus approx. 10 sq.ft. of split leather on average. ***Plus approx. 3 sq.ft. of split leather on average.

DEVELOPING COUNTRIES	AFGHANISTAN			CYPRUS			IRAN		
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
NEAR EAST IN ASIA									
RAW HIDES AND SKINS									
CATTLEHIDES wet salted	13.30	31.80	1: 2.39	19.50	41.00	1: 2.10	10.80	24.00	1: 2.22
dry									
CALFSKINS wet salted	2.70	9.00	1: 3.33	4.10	14.00	1: 3.41	2.70	9.00	1: 3.33
dry									
SHEEPSKINS pickled	1.05	6.50	1: 6.19	1.05	6.50	1: 6.19	1.15	7.00	1: 6.09
dry	0.70	6.50	1: 9.29	0.70	6.50	1: 9.29	0.77	7.00	1: 9.09
GOATSKINS pickled	0.58	3.60	1: 6.21	1.05	7.00	1: 6.67	0.90	6.00	1: 6.67
dry	0.38	3.60	1: 9.47	0.70	7.00	1: 10.00	0.60	6.00	1: 10.00
PIGSKINS wet salted									
TANNED HIDES AND SKINS									
WET BLUE									
from cattle	13.90	31.60	1: 2.27	20.10	40.80	1: 2.03	11.30	23.90	1: 2.12
from calf	2.30	9.00	1: 3.91	3.50	13.90	1: 3.97	2.30	9.00	1: 3.91
from sheep	0.88	6.50	1: 7.43	0.88	6.50	1: 7.43	0.96	7.00	1: 7.29
from goat	0.48	3.60	1: 7.58	0.88	7.00	1: 8.00	0.70	6.00	1: 8.57
CRUST									
from cattle	4.30	31.30	1: 7.28	6.20	40.40	1: 6.52	3.50	23.60	1: 6.74
from calf	0.88	8.90	1: 10.11	1.34	13.80	1: 10.30	0.88	8.90	1: 10.11
from sheep	0.32	6.50	1: 20.63	0.32	6.50	1: 20.63	0.35	7.00	1: 20.00
from goat	0.16	3.60	1: 22.50	0.29	7.00	1: 24.14	0.25	6.00	1: 24.00
FINISHED LIGHT LEATHER									
from cattle	3.30	31.10	1: 9.42	4.80	*40.10	1: 8.35	2.70	23.50	1: 8.70
from calf	0.81	8.80	1: 10.86	1.23	13.70	1: 11.14	0.81	8.80	1: 10.86
from sheep	0.28	6.50	1: 23.21	0.28	6.50	1: 23.21	0.31	7.00	1: 22.58
from goat	0.18	3.60	1: 20.00	0.33	7.00	1: 21.21	0.28	6.00	1: 21.43
from pig									
FINISHED HEAVY LEATHER									
from cattle	4.00	11.00	1: 2.75	6.00	14.00	1: 2.33	5.00	10.00	1: 2.00

*Plus approx. 12 sq.ft. of split leather on average.

DEVELOPING COUNTRIES	IRAQ			JORDAN			LEBANON		
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
NEAR EAST IN ASIA									
RAW HIDES AND SKINS									
CATTLEHIDES wet salted	11.60	23.10	1: 1.99	13.60	32.00	1: 2.35	14.00	33.00	1: 2.36
dry									
CALFSKINS wet salted	2.70	8.70	1: 3.22	2.70	8.70	1: 3.22	3.20	11.20	1: 3.50
dry									
SHEEPSKINS pickled	1.05	6.45	1: 6.14	1.35	6.50	1: 4.81	1.50	8.00	1: 5.33
dry	0.70	6.45	1: 9.21	0.90	6.50	1: 7.22	1.00	8.00	1: 8.00
GOATSKINS pickled	0.83	5.50	1: 6.67	1.05	7.00	1: 6.67	0.93	6.50	1: 6.99
dry	0.55	5.50	1: 10.00	0.70	7.00	1: 10.00	0.62	6.50	1: 10.48
PIGSKINS wet salted									
TANNED HIDES AND SKINS									
WET BLUE from cattle	12.20	23.00	1: 1.89	14.30	31.80	1: 2.22	14.70	32.80	1: 2.23
from calf	2.30	8.70	1: 3.78	2.30	8.70	1: 3.78	2.80	11.10	1: 3.96
from sheep	0.88	6.45	1: 7.37	1.13	6.50	1: 5.78	1.25	8.00	1: 6.40
from goat	0.69	5.50	1: 3.80	0.88	7.00	1: 8.00	0.78	6.50	1: 8.39
CRUST from cattle	3.80	22.80	1: 6.00	4.40	31.50	1: 7.16	4.60	32.50	1: 7.07
from calf	0.88	8.60	1: 9.77	0.88	8.60	1: 9.77	1.04	11.00	1: 10.58
from sheep	0.32	6.45	1: 20.48	0.41	6.50	1: 16.05	0.45	8.00	1: 17.78
from goat	0.23	5.50	1: 23.91	0.29	7.00	1: 24.14	0.26	6.50	1: 25.00
FINISHED LIGHT LEATHER from cattle	2.90	22.60	1: 7.79	3.40	31.30	1: 9.21	3.50	32.30	1: 9.23
from calf	0.81	8.50	1: 10.49	0.81	8.50	1: 10.49	0.96	11.00	1: 11.46
from sheep	0.28	6.45	1: 23.04	0.36	6.50	1: 18.06	0.40	8.00	1: 20.00
from goat	0.26	5.50	1: 21.15	0.33	7.00	1: 21.21	0.29	6.50	1: 22.41
from pig									
FINISHED HEAVY LEATHER from cattle	5.50	11.00	1: 2.00	4.20	11.00	1: 2.62	4.50	11.00	1: 2.44

DEVELOPING COUNTRIES	SAUDI ARABIA			SYRIA			TURKEY		
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
NEAR EAST IN ASIA									
RAW HIDES AND SKINS									
CATTLEHIDES wet salted	12.60	22.00	1: 1.75	10.40	25.00	1: 2.40	11.20	24.00	1: 2.14
dry									
CALFSKINS wet salted	2.30	8.00	1: 3.48	2.70	9.50	1: 3.52	2.70	9.50	1: 3.52
dry									
SHEEPSKINS pickled	1.15	7.50	1: 6.52	1.16	7.50	1: 6.49	1.05	7.00	1: 6.67
dry	0.77	7.50	1: 9.74	0.77	7.50	1: 9.74	0.70	7.00	1: 10.00
GOATSKINS pickled	0.98	6.50	1: 6.67	0.87	6.00	1: 6.90	0.90	6.00	1: 6.67
dry	0.65	6.50	1: 10.00	0.58	6.00	1: 10.34	0.60	6.00	1: 10.00
PIGSKINS wet salted									
TANNED HIDES AND SKINS									
WET BLUE from cattle	13.20	21.90	1: 1.66	10.90	24.90	1: 2.28	11.80	23.90	1: 2.03
from calf	2.00	8.00	1: 4.00	2.30	9.40	1: 4.09	2.30	9.40	1: 4.09
from sheep	0.96	6.50	1: 7.81	0.96	7.50	1: 7.81	0.88	7.00	1: 8.00
from goat	0.81	6.50	1: 8.02	0.73	6.00	1: 8.28	0.75	6.00	1: 8.00
CRUST from cattle	3.30	21.70	1: 6.58	2.70	24.60	1: 9.11	2.90	23.60	1: 8.14
from calf	0.75	7.90	1: 10.53	0.88	9.40	1: 10.68	0.88	9.40	1: 10.68
from sheep	0.35	6.50	1: 21.42	0.35	7.50	1: 21.43	0.32	7.00	1: 22.22
from goat	0.27	6.50	1: 24.07	0.24	6.00	1: 25.00	0.25	6.00	1: 24.00
FINISHED LIGHT LEATHER from cattle	3.10	21.50	1: 6.94	2.60	24.40	1: 9.38	2.80	23.50	1: 8.39
from calf	0.70	7.80	1: 11.14	0.81	9.30	1: 11.48	0.81	9.30	1: 11.48
from sheep	0.31	7.50	1: 24.19	0.31	7.50	1: 24.19	0.28	7.00	1: 25.00
from goat	0.31	6.50	1: 20.97	0.27	6.00	1: 22.22	0.28	6.00	1: 21.43
from pig									
FINISHED HEAVY LEATHER from cattle	4.00	7.00	1: 1.75	3.50	8.00	1: 2.29	3.50	8.00	1: 2.29

DEVELOPING COUNTRIES	YEMEN A. R.			YEMEN D. R.					
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
NEAR EAST IN ASIA									
RAW HIDES AND SKINS									
CATTLEHIDES									
wet salted	13.00	30.00	1: 2.31	13.00	30.00	1: 2.31			
dry									
CALFSKINS									
wet salted	2.30	8.00	1: 3.48	2.30	8.00	1: 3.48			
dry									
SHEEPSKINS									
pickled	1.05	7.00	1: 6.67	1.05	7.00	1: 6.67			
dry	0.70	7.00	1: 10.00	0.70	7.00	1: 10.00			
GOATSKINS									
pickled	0.98	6.50	1: 6.67	0.90	6.00	1: 6.67			
dry	0.65	6.50	1: 10.00	0.60	6.00	1: 10.00			
PIGSKINS									
wet salted									
TANNED HIDES AND SKINS									
WET BLUE									
from cattle	13.60	29.80	1: 2.19	13.60	29.90	1: 2.20			
from calf	2.00	8.00	1: 4.00	2.00	8.00	1: 4.00			
from sheep	0.88	7.00	1: 8.00	0.88	7.00	1: 8.00			
from goat	0.81	6.50	1: 8.02	0.75	6.00	1: 8.00			
CRUST									
from cattle	3.40	29.60	1: 8.71	3.40	29.60	1: 8.71			
from calf	0.75	7.90	1: 10.53	0.75	7.90	1: 10.53			
from sheep	0.32	7.00	1: 22.22	0.32	7.00	1: 22.22			
from goat	0.27	6.50	1: 24.07	0.25	6.00	1: 24.00			
FINISHED LIGHT LEATHER									
from cattle	3.20	29.30	1: 9.16	3.20	29.30	1: 9.16			
from calf	0.70	7.80	1: 11.14	0.70	7.80	1: 11.14			
from sheep	0.28	7.00	1: 25.00	0.28	7.00	1: 25.00			
from goat	0.31	6.50	1: 20.97	0.28	6.00	1: 21.43			
from pig									
FINISHED HEAVY LEATHER									
from cattle	4.00	10.00	1: 2.50	4.00	10.00	1: 2.50			

DEVELOPING COUNTRIES	BANGLADESH			MYANMAR			HONG KONG		
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
<u>FAR EAST</u>									
<u>RAW HIDES AND SKINS</u>									
CATTLEHIDES wet salted	13.50	20.00	1: 1.48	14.80	31.40	1: 2.12	15.60	37.00	1: 2.37
dry									
CALFSKINS wet salted	3.50	11.00	1: 3.14	2.70	7.00	1: 2.59			
dry									
SHEEPSKINS pickled	0.71	4.50	1: 6.38	1.20	7.00	1: 5.83			
dry	0.47	4.50	1: 9.57	0.80	7.00	1: 8.75			
GOATSKINS pickled	0.61	3.70	1: 6.07	0.75	5.00	1: 6.67			
dry	0.41	3.70	1: 9.02	0.50	5.00	1: 10.00			
PIGSKINS wet salted									
<u>TANNED HIDES AND SKINS</u>									
WET BLUE from cattle	11.30	19.90	1: 1.76	15.50	31.20	1: 2.01	16.40	36.80	1: 2.24
from calf	3.00	10.90	1: 3.63	2.30	7.00	1: 3.04			
from sheep	0.59	4.50	1: 7.63	1.00	7.00	1: 7.00			
from goat	0.51	3.70	1: 7.25	0.63	5.00	1: 8.00			
CRUST from cattle	3.00	19.70	1: 6.57	4.80	31.00	1: 6.46	5.10	36.50	1: 7.16
from calf	1.14	10.80	1: 9.47	0.88	6.90	1: 7.84			
from sheep	0.21	4.50	1: 21.43	0.36	7.00	1: 19.44			
from goat	0.17	3.70	1: 21.76	0.21	5.00	1: 23.81			
FINISHED LIGHT LEATHER from cattle	2.30	19.60	1: 8.52	3.70	30.70	1: 8.30	3.90	36.20	1: 9.28
from calf	1.05	10.80	1: 10.29	0.81	6.80	1: 8.40			
from sheep	0.19	4.50	1: 23.68	0.32	7.00	1: 21.88			
from goat	0.19	3.70	1: 19.47	0.24	5.00	1: 21.28			
from pig									
FINISHED HEAVY LEATHER from cattle	13.00	22.00	1: 1.69	17.00	14.00	1: 0.82	5.00	12.00	1: 2.40

DEVELOPING COUNTRIES	INDIA			INDONESIA			KOREA REP.		
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
<u>FAR EAST</u>									
<u>RAW HIDES AND SKINS</u>									
CATTLEHIDES wet salted	13.10	19.00	1: 1.45	17.80	36.00	1: 2.02	16.80	34.00	1: 2.02
dry									
CALFSKINS wet salted	3.50	11.10	1: 3.17	2.50	6.00	1: 2.40	3.20	11.20	1: 3.50
dry									
SHEEPSKINS pickled	0.75	4.90	1: 6.53	0.75	4.50	1: 6.00	1.35	6.50	1: 4.81
dry	0.50	4.90	1: 9.80	0.50	4.50	1: 9.00	0.90	6.50	1: 7.22
GOATSKINS pickled	0.60	4.00	1: 6.67	0.75	4.00	1: 5.33	1.05	7.00	1: 6.67
dry	0.40	4.00	1: 10.00	0.50	4.00	1: 8.00	0.70	7.00	1: 10.00
PIGSKINS wet salted									
<u>TANNED HIDES AND SKINS</u>									
WET BLUE from cattle	11.00	19.00	1: 1.73	18.70	35.80	1: 1.91	17.60	33.80	1: 1.92
from calf	3.00	11.00	1: 3.67	2.10	6.00	1: 2.86	2.80	11.10	1: 3.96
from sheep	0.63	4.90	1: 7.84	0.63	4.50	1: 7.20	1.13	6.50	1: 5.78
from goat	0.50	4.00	1: 8.00	0.63	4.00	1: 6.40	0.88	7.00	1: 8.00
CRUST from cattle	3.40	19.00	1: 5.59	5.80	35.50	1: 6.12	5.50	33.50	1: 6.09
from calf	1.10	11.00	1: 10.00	0.82	5.90	1: 7.20	1.04	11.00	1: 10.58
from sheep	0.23	4.90	1: 21.78	0.23	4.50	1: 20.00	0.41	6.50	1: 16.05
from goat	0.17	4.00	1: 23.53	0.21	4.00	1: 19.05	0.29	7.00	1: 24.14
FINISHED LIGHT LEATHER from cattle	2.60	18.50	1: 7.12	4.50	*35.20	1: 7.82	4.20	**33.30	1: 7.93
from calf	1.05	11.00	1: 10.48	0.75	5.90	1: 7.87	0.96	11.00	1: 11.46
from sheep	0.20	4.90	1: 24.50	0.20	4.50	1: 22.50	0.36	6.50	1: 18.06
from goat	0.17	4.00	1: 23.53	0.24	4.00	1: 16.67	0.33	7.00	1: 21.21
from pig									
FINISHED HEAVY LEATHER from cattle	13.00	22.00	1: 1.69	16.00	26.00	1: 1.63	5.60	11.00	1: 1.96

*Plus approx. 5 sq.ft. of split leather on average. **Plus approx. 2 sq.ft. of split leather on average.

DEVELOPING COUNTRIES	LAO			MALAYSIA			NEPAL		
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
<u>FAR EAST</u>									
<u>RAW HIDES AND SKINS</u>									
CATTLEHIDES wet salted	20.00	30.80	1: 1.54	19.40	29.40	1: 1.52	17.50	24.70	1: 1.41
dry									
CALFSKINS wet salted	2.50	6.00	1: 2.40	2.50	6.00	1: 2.40	3.50	11.00	1: 3.14
dry									
SHEEPSKINS pickled				1.20	7.00	1: 5.83	0.75	4.50	1: 6.00
dry				0.80	7.00	1: 8.75	0.50	4.50	1: 9.00
GOATSKINS pickled	1.05	7.00	1: 6.67	0.60	4.00	1: 6.67	0.96	4.00	1: 4.17
dry	0.70	7.00	1: 10.00	0.40	4.00	1: 10.00	0.64	4.00	1: 6.25
PIGSKINS wet salted									
<u>TANNED HIDES AND SKINS</u>									
WET BLUE from cattle	20.93	30.60	1: 1.46	20.30	29.20	1: 1.44	18.40	24.60	1: 1.34
from calf	2.10	6.00	1: 2.86	2.10	6.00	1: 2.86	3.00	10.90	1: 3.63
from sheep				1.00	7.00	1: 7.00	0.63	4.50	1: 7.20
from goat	0.88	7.00	1: 8.00	0.50	4.00	1: 8.00	0.80	4.00	1: 5.00
CRUST from cattle	6.51	30.40	1: 4.67	6.30	29.00	1: 4.60	4.60	24.40	1: 5.30
from calf	0.82	5.90	1: 7.20	0.82	5.90	1: 7.20	1.14	10.80	1: 9.47
from sheep				0.36	7.00	1: 19.44	0.20	4.50	1: 22.50
from goat	0.29	7.00	1: 24.14	0.17	4.00	1: 23.53	0.27	4.00	1: 14.81
FINISHED LIGHT LEATHER from cattle	3.49	*30.10	1: 8.62	4.80	**28.70	1: 5.98	4.40	***24.10	1: 5.48
from calf	0.75	5.90	1: 7.87	0.75	5.90	1: 7.87	1.05	10.80	1: 10.29
from sheep				0.32	7.00	1: 21.88	0.20	4.50	1: 22.50
from goat	0.33	7.00	1: 21.21	0.19	4.00	1: 21.05	0.30	4.00	1: 13.33
from pig									
FINISHED HEAVY LEATHER from cattle	16.28	30.00	1: 1.84	17.00	27.00	1: 1.59	13.00	26.00	1: 2.00

*Plus approx. 30 sq.ft. of split leather on average. **Plus approx. 14 sq.ft. of split leather on average. ***Plus approx. 17 sq.ft. of split leather on average.

DEVELOPING COUNTRIES	PAKISTAN			PHILIPPINES			SINGAPORE		
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
<u>FAR EAST</u>									
<u>RAW HIDES AND SKINS</u>									
CATTLEHIDES wet salted		**24.00		20.00	27.60	1: 1.38		37.00	
dry									
CALFSKINS wet salted	3.50	11.00	1: 3.14	2.50	7.00	1: 2.80	2.50	6.00	1: 2.40
dry									
SHEEPSKINS pickled	0.83	5.00	1: 6.06	0.90	5.50	1: 6.11	1.80	9.50	1: 5.28
dry	0.55	5.00	1: 9.09	0.60	5.50	1: 9.17	1.20	9.50	1: 7.92
GOATSKINS pickled	0.75	4.50	1: 6.00	0.90	5.50	1: 6.11	0.90	6.00	1: 6.67
dry	0.50	4.50	1: 9.00	0.60	5.50	1: 9.17	0.60	6.00	1: 10.00
PIGSKINS wet salted									
<u>TANNED HIDES AND SKINS</u>									
WET BLUE from cattle				19.39	27.50	1: 1.42			
from calf	3.00	10.90	1: 3.63	2.10	7.00	1: 3.33	2.10	6.00	1: 2.86
from sheep	0.69	5.00	1: 7.25	0.75	5.50	1: 7.33	1.50	9.50	1: 6.33
from goat	0.63	4.50	1: 7.14	0.75	5.50	1: 7.33	0.75	6.00	1: 8.00
CRUST from cattle				4.79	27.20	1: 5.68			
from calf	1.14	10.80	1: 9.47	0.82	6.90	1: 8.41	0.82	5.90	1: 7.20
from sheep	0.25	5.00	1: 20.00	0.27	5.50	1: 20.37	0.54	9.50	1: 17.59
from goat	0.21	4.50	1: 21.43	0.25	5.50	1: 22.00	0.25	6.00	1: 24.00
FINISHED LIGHT LEATHER from cattle				3.24	*27.00	1: 8.33			
from calf	1.05	10.80	1: 10.29	0.75	6.80	1: 9.07	0.75	5.90	1: 7.87
from sheep	0.22	5.00	1: 22.73	0.24	5.50	1: 22.92	0.48	9.50	1: 19.79
from goat	0.24	4.50	1: 18.75	0.28	5.50	1: 19.64	0.28	6.00	1: 21.43
from pig									
FINISHED HEAVY LEATHER from cattle				20.85	54.00	1: 2.59			

*Plus approx. 27 sq.ft. of split leather on average. **Pakistan leather trade journal, September 87, page 34.

DEVELOPING COUNTRIES	SRI LANKA			THAILAND					
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
<u>FAR EAST</u>									
<u>RAW HIDES AND SKINS</u>									
CATTLEHIDES wet salted	10.70	20.70	1: 1.93	18.00	32.45	1: 1.80			
dry									
CALFSKINS wet salted	2.50	6.50	1: 2.60	2.50	8.50	1: 3.40			
dry									
SHEEPSKINS pickled	0.60	4.00	1: 6.67	1.05	7.00	1: 6.67			
dry	0.40	4.00	1: 10.00	0.70	7.00	1: 10.00			
GOATSKINS pickled	0.53	3.50	1: 6.67	1.20	8.00	1: 6.67			
dry	0.35	3.50	1: 10.00	0.80	8.00	1: 10.00			
PIGSKINS wet salted									
<u>TANNED HIDES AND SKINS</u>									
WET BLUE from cattle	11.30	20.60	1: 1.82	21.71	32.30	1: 1.49			
from calf	2.10	6.50	1: 3.10	2.10	8.50	1: 4.05			
from sheep	0.50	4.00	1: 8.00	0.88	7.00	1: 8.00			
from goat	0.44	3.50	1: 7.95	1.00	8.00	1: 8.00			
CRUST from cattle	2.80	20.40	1: 7.29	4.65	32.00	1: 6.88			
from calf	0.82	6.40	1: 7.80	0.82	8.40	1: 10.24			
from sheep	0.18	4.00	1: 22.22	0.32	7.00	1: 22.22			
from goat	0.15	3.50	1: 23.33	0.34	8.00	1: 23.53			
FINISHED LIGHT LEATHER from cattle	2.70	20.20	1: 7.48	3.17	*31.70	1: 10.00			
from calf	0.75	6.40	1: 8.53	0.75	8.30	1: 11.07			
from sheep	0.16	4.00	1: 25.00	0.28	7.00	1: 25.00			
from goat	0.17	3.50	1: 21.21	0.38	8.00	1: 21.05			
from pig									
FINISHED HEAVY LEATHER from cattle	15.00	24.00	1: 1.60	18.20	54.00	1: 2.97			

*Plus approx. 31 sq.ft. of split leather on average.

DEVELOPING COUNTRIES	CHINA			KAMPUCHEA DEM.			KOREA D.P.R.		
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
ASIAN CENTRALLY PLANNED									
RAW HIDES AND SKINS									
CATTLEHIDES wet salted	13.10	20.40	1: 1.56	15.80	30.80	1: 1.95	16.80	34.00	1: 2.02
dry									
CALFSKINS wet salted	2.70	7.00	1: 2.59	2.50	6.00	1: 2.40	2.70	8.70	1: 3.22
dry									
SHEEPSKINS pickled	0.83	5.00	1: 6.06				1.35	6.50	1: 4.81
dry	0.55	5.00	1: 9.09				0.90	6.50	1: 7.22
GOATSKINS pickled	0.63	3.57	1: 5.67				1.05	7.00	1: 6.67
dry	0.42	3.57	1: 8.50				0.70	7.00	1: 10.00
PIGSKINS wet salted	3.90	10.00	1: 2.56						
TANNED HIDES AND SKINS									
WET BLUE from cattle	11.30	20.30	1: 1.80	16.50	30.60	1: 1.85	17.60	33.80	1: 1.92
from calf	2.30	7.00	1: 3.04	2.10	6.00	1: 2.86	2.30	8.70	1: 3.78
from sheep	0.69	5.00	1: 7.25				1.13	6.50	1: 5.78
from goat	0.53	3.57	1: 6.74				0.88	7.00	1: 8.00
CRUST from cattle	3.40	20.20	1: 5.94	5.10	30.40	1: 5.96	5.50	33.50	1: 6.09
from calf	0.88	6.90	1: 7.84	0.82	5.90	1: 7.20	0.88	8.60	1: 9.77
from sheep	0.25	5.00	1: 24.00				0.41	6.50	1: 16.05
from goat	0.18	3.57	1: 19.83				0.29	7.00	1: 24.14
FINISHED LIGHT LEATHER from cattle	2.60	20.00	1: 7.69	3.90	30.10	1: 7.72	4.20	*33.30	1: 7.93
from calf	0.81	6.80	1: 8.40	0.75	5.90	1: 7.87	0.81	8.50	1: 10.49
from sheep	0.22	5.00	1: 22.73				0.36	6.50	1: 18.06
from goat	0.26	3.57	1: 13.73				0.33	7.00	1: 21.21
from pig	0.86	9.67	1: 11.24						
FINISHED HEAVY LEATHER from cattle	11.00	21.00	1: 1.91	16.00	26.00	1: 1.63	5.60	11.00	1: 1.96

*Plus approx. 2 sq.ft. of split leather on average.

DEVELOPING COUNTRIES	MONGOLIA			VIET-NAM					
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
ASIAN CENTRALLY PLANNED									
RAW HIDES AND SKINS									
CATTLEHIDES									
wet salted	16.20	37.00	1: 2.28	24.20	30.50	1: 1.26			
dry									
CALFSKINS									
wet salted	3.00	10.50	1: 3.50	2.50	6.00	1: 2.40			
dry									
SHEEPSKINS									
pickled	1.50	8.30	1: 5.53	1.05	7.00	1: 6.67			
dry	1.00	8.30	1: 8.30	0.70	7.00	1: 10.00			
GOATSKINS									
pickled	1.50	8.50	1: 5.67	0.98	5.53	1: 5.67			
dry	1.00	8.50	1: 8.50	0.65	5.53	1: 8.50			
PIGSKINS									
wet salted									
TANNED HIDES AND SKINS									
WET BLUE									
from cattle	17.00	36.80	1: 2.16	25.40	30.30	1: 1.19			
from calf	2.60	10.40	1: 4.00	2.10	6.00	1: 2.86			
from sheep	1.25	8.30	1: 6.64	0.88	7.00	1: 8.00			
from goat	1.25	8.50	1: 6.80	0.87	5.53	1: 6.36			
CRUST									
from cattle	4.20	36.50	1: 8.69	6.30	30.00	1: 4.76			
from calf	0.98	10.40	1: 10.61	0.82	5.90	1: 7.20			
from sheep	0.45	8.30	1: 18.44	0.32	7.00	1: 22.22			
from goat	0.42	8.50	1: 20.24	0.27	5.53	1: 20.48			
FINISHED LIGHT LEATHER									
from cattle	4.00	36.20	1: 9.05	4.20	*29.80	1: 7.10			
from calf	0.90	10.30	1: 11.44	0.75	5.90	1: 7.87			
from sheep	0.40	8.30	1: 20.75	0.28	7.00	1: 25.00			
from goat	0.47	8.50	1: 18.09	0.31	5.53	1: 17.84			
from pig									
FINISHED HEAVY LEATHER									
from cattle	5.00	12.00	1: 2.40						

*Plus approx. 29 sq.ft. of split leather on average.

DEVELOPED COUNTRIES	CANADA			U.S.A.					
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
<u>NORTH AMERICA</u>									
<u>RAW HIDES AND SKINS</u>									
CATTLEHIDES wet salted	23.00	44.00	1: 1.91	24.40	44.20	1: 1.81			
dry									
CALFSKINS wet salted	7.00	18.00	1: 2.57	7.00	18.00	1: 2.57			
dry									
SHEEPSKINS pickled	1.58	8.20	1: 5.21	1.73	9.00	1: 5.22			
dry	1.05	8.20	1: 7.81	1.15	9.00	1: 7.83			
GOATSKINS pickled	0.75	5.00	1: 6.67	1.50	9.00	1: 6.00			
dry	0.50	5.00	1: 10.00	1.00	9.00	1: 9.00			
PIGSKINS wet salted				5.00	11.50	1: 2.30			
<u>TANNED HIDES AND SKINS</u>									
WET BLUE from cattle	20.00	43.80	1: 2.19	21.20	45.00	1: 2.12			
from calf	5.90	17.90	1: 3.03	5.90	17.90	1: 3.03			
from sheep	1.31	8.20	1: 6.26	1.44	9.00	1: 6.25			
from goat	0.63	5.00	1: 8.00	1.25	9.00	1: 7.20			
CRUST from cattle	6.20	43.40	1: 7.00	6.60	43.60	1: 6.61			
from calf	2.30	17.90	1: 7.78	2.30	17.90	1: 7.78			
from sheep	0.47	8.20	1: 17.45	0.52	9.00	1: 17.31			
from goat	0.21	5.00	1: 23.81	0.42	9.00	1: 21.43			
FINISHED LIGHT LEATHER from cattle	4.10	*43.00	1: 10.49	4.40	*43.22	1: 9.82			
from calf	1.70	17.80	1: 10.48	1.65	17.80	1: 10.79			
from sheep	0.42	8.20	1: 19.52	0.46	9.00	1: 19.57			
from goat	0.24	5.00	1: 21.28	0.47	9.00	1: 19.15			
from pig				0.85	11.30	1: 13.29			
FINISHED HEAVY LEATHER from cattle	13.10	44.00	1: 3.36	13.90	44.00	1: 3.17			

*Plus approx. 13 sq.ft. of split leather on average.

DEVELOPED COUNTRIES	AUSTRIA			BELGIUM - LUXEMBOURG			DENMARK		
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
WESTERN EUROPE									
RAW HIDES AND SKINS									
CATTLEHIDES wet salted	27.00	46.00	1: 1.70	27.00	45.00	1: 1.67	20.30	42.00	1: 2.07
dry									
CALFSKINS wet salted	5.60	14.00	1: 2.50	11.00	21.00	1: 1.91	6.50	15.30	1: 2.35
dry									
SHEEPSKINS pickled	1.35	7.50	1: 5.56	1.65	9.00	1: 5.45	1.73	8.50	1: 4.93
dry	0.90	7.50	1: 8.33	1.10	9.00	1: 8.18	1.15	8.50	1: 7.39
GOATSKINS pickled	0.90						1.13	6.50	1: 5.78
dry	0.60						0.75	6.50	1: 8.67
PIGSKINS wet salted	5.00	10.00	1: 2.00						
TANNED HIDES AND SKINS									
WET BLUE from cattle	23.40	45.80	1: 1.96	23.40	44.80	1: 1.91	17.70	41.80	1: 2.36
from calf	4.80	13.90	1: 2.90	9.40	20.90	1: 2.22	5.60	15.20	1: 2.71
from sheep	1.13	7.50	1: 6.67	1.38	9.00	1: 6.55	1.44	8.50	1: 5.90
from goat	0.75						0.94	6.50	1: 6.91
CRUST from cattle	7.30	45.30	1: 6.21	7.30	44.40	1: 6.08	5.50	41.40	1: 7.53
from calf	1.80	13.80	1: 7.67	3.60	20.70	1: 5.75	2.10	15.10	1: 7.19
from sheep	0.41	7.50	1: 18.52	0.50	9.00	1: 18.00	0.52	8.50	1: 16.35
from goat	0.25						0.32	6.50	1: 20.63
FINISHED LIGHT LEATHER from cattle	4.60	*45.00	1: 9.78	4.40	**44.00	1: 10.00	4.50	***41.00	1: 9.11
from calf	1.70	13.70	1: 8.06	2.70	20.60	1: 7.63	2.00	15.00	1: 7.50
from sheep	0.36	7.50	1: 20.83	0.44	9.00	1: 20.45	0.46	8.50	1: 18.48
from goat	0.28						0.35	6.50	1: 18.57
from pig		9.70							1: 26.00
FINISHED HEAVY LEATHER from cattle	16.50	45.00	1: 2.73	16.80	44.00	1: 2.62	14.50	41.00	1: 2.08

*Plus approx. 16 sq.ft. of split leather on average. **Plus approx. 15 sq.ft. of split leather on average. ***Plus approx. 8 sq.ft. of split leather on average.

****From imported raw material.

DEVELOPED COUNTRIES	FINLAND			FRANCE			GERMANY		
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
WESTERN EUROPE									
RAW HIDES AND SKINS									
CATTLEHIDES wet salted	18.40	41.00	1: 2.23	27.00	46.90	1: 1.74	29.00	47.00	1: 1.62
dry									
CALFSKINS wet salted	5.20	13.20	1: 2.54	9.70	20.60	1: 2.12	9.00	19.80	1: 2.20
dry									
SHEEPSKINS pickled	1.58	7.50	1: 4.76	1.50	7.50	1: 5.00	1.65	9.00	1: 5.45
dry	1.05	7.50	1: 7.14	1.00	7.50	1: 7.50	1.10	9.00	1: 8.18
GOATSKINS pickled				1.35	8.00	1: 5.93	0.75	4.50	1: 6.00
dry				0.90	8.00	1: 8.89	0.50	4.50	1: 9.00
PIGSKINS wet salted									
TANNED HIDES AND SKINS									
WET BLUE									
from cattle	16.00	40.80	1: 2.55	23.50	46.70	1: 1.99	25.20	46.80	1: 1.86
from calf	4.50	13.10	1: 2.91	8.30	20.50	1: 2.47	7.70	19.70	1: 2.56
from sheep	1.35	7.50	1: 5.56	1.25	7.50	1: 6.00	1.38	9.00	1: 6.55
from goat				1.13	8.00	1: 7.11	0.63	4.50	1: 7.20
CRUST									
from cattle	5.00	40.40	1: 8.08	7.30	46.20	1: 6.33	7.80	46.30	1: 5.94
from calf	1.70	13.00	1: 7.65	3.20	20.30	1: 6.34	2.90	19.50	1: 6.72
from sheep	0.47	7.50	1: 15.96	0.45	7.50	1: 16.67	0.50	9.00	1: 18.00
from goat				0.38	8.00	1: 21.05	0.21	4.50	1: 21.43
FINISHED LIGHT LEATHER									
from cattle	3.80	*40.00	1: 10.53	4.80	**45.90	1: 9.56	4.50	****46.00	1: 10.22
from calf	1.60	12.90	1: 8.06	2.40	20.20	1: 8.42	2.20	19.40	1: 8.82
from sheep	0.42	7.50	1: 17.86	0.40	7.50	1: 18.75	0.44	9.00	1: 20.45
from goat				0.42	8.00	1: 19.05	0.24	4.50	1: 19.15
from pig						1: 20.00***			1: 28.00***
FINISHED HEAVY LEATHER									
from cattle	11.40	40.00	1: 3.51	18.50	46.00	1: 2.49	16.90	46.00	1: 2.72

*Plus approx. 4 sq.ft. of split leather on average. **Plus approx. 14 sq.ft. of split leather on average. ***From imported raw material.****Plus app.16 sq.ft. of split leather on average.

****Plus approx. 16 sq.ft. of split leather on average.

DEVELOPED COUNTRIES	ISRAEL			JAPAN			S OUTH AFRICA		
	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.	Average Unit wt. kg./piece	Average area yield sq.ft./piece	Weight/sur- face ratio kg. / sq.ft.
OTHERS									
RAW HIDES AND SKINS									
CATTLEHIDES wet salted	21.50	41.00	1: 1.91	29.00	45.00	1: 1.55	19.20	36.00	1: 1.88
dry									
CALFSKINS wet salted	13.50	25.00	1: 1.85	2.70	9.00	1: 3.33	3.80	12.00	1: 3.16
dry									
SHEEPSKINS pickled	1.50	8.00	1: 5.33	1.35	6.50	1: 4.81	1.50	9.00	1: 6.00
dry	1.00	8.00	1: 8.00	0.90	6.50	1: 7.22	1.00	9.00	1: 9.00
GOATSKINS pickled	1.43	9.00	1: 6.32	0.68	5.00	1: 7.41	1.20	8.00	1: 6.67
dry	0.95	9.00	1: 9.47	0.45	5.00	1: 11.11	0.80	8.00	1: 10.00
PIGSKINS wet salted				3.50	9.20	1: 2.63			
TANNED HIDES AND SKINS									
WET BLUE from cattle	18.70	40.80	1: 2.18	25.20	44.80	1: 1.78	16.70	35.80	1: 2.14
from calf	11.60	24.90	1: 2.15	2.30	9.00	1: 3.91	3.40	11.90	1: 3.50
from sheep	1.25	8.00	1: 6.40	1.13	6.50	1: 5.78	1.25	9.00	1: 7.20
from goat	1.19	9.00	1: 7.56	0.56	5.00	1: 8.93	1.00	8.00	1: 8.00
CRUST from cattle	5.80	40.40	1: 6.97	7.80	44.40	1: 5.69	5.20	35.50	1: 6.83
from calf	4.40	24.70	1: 5.61	0.88	8.90	1: 10.11	1.33	11.90	1: 8.93
from sheep	0.45	8.00	1: 17.78	0.41	6.50	1: 16.05	0.45	9.00	1: 20.00
from goat	0.40	9.00	1: 22.50	0.19	5.00	1: 26.32	0.34	8.00	1: 23.53
FINISHED LIGHT LEATHER from cattle	4.30	*40.10	1: 9.33	4.60	**44.00	1: 9.57	3.80	***35.20	1: 9.26
from calf	2.70	24.50	1: 9.07	0.81	8.80	1: 10.86	1.20	11.80	1: 9.83
from sheep	0.40	8.00	1: 20.00	0.36	6.50	1: 18.06	0.40	9.00	1: 22.50
from goat	0.45	9.00	1: 20.00	0.21	5.00	1: 23.81	0.38	8.00	1: 21.05
from pig				0.33	9.00	1: 27.27			
FINISHED HEAVY LEATHER from cattle	12.30	13.50	1: 1.10	16.50	15.00	1: 0.91	10.90	35.00	1: 3.21

*Plus approx. 12 sq.ft. of split leather on average. **Plus approx. 22 sq.ft. of split leather on average. ***Plus approx. 10 sq.ft. of split leather on average.