INSTRUCTIONS TO JUDGES AND STEWARDS

AND

SCALE OF POINTS

FOR

FLEECE JUDGING

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AGRICULTURAL SOCIETIES COUNCIL OF NSW

MERINO FLEECE JUDGING COMPETITION

TOP AND NOIL

PURPOSE

The purpose of the 'Top and Noil' section of a Merino Fleece Judging Competition is to assign a points (out of 30) value to each fleece as part of the total judging of the fleece.

(Each competitor must have access to a copy of the National Council of Wool Selling Brokers Booklet: 'Scale of Points for Fleece Judging'.)

PROCEDURE

1   Each competitor begins by estimating the yield in percentage terms of clean wool in each fleece (usually between 50% and 85%).

2   The clean weight of each fleece is obtained by using the ready reckoner table in the back of the booklet with fleece weights on the horizontal axis and the yield percentages on the vertical axis.

3   The competitor then locates the vertical column for the type of wool which he/she judges the fleece to be (that is, extra superfine Merino, superfine Merino, fine Merino, medium Merino, strong or extra strong Merino).

4   The competitor chooses the fleece weight in the 'Ewe and Wether' column which is   closest to the clean fleece weight determined previously.   The competitor then looks directly across the table to the left to the 'Points' column.   This figure is then entered onto the judging card in the 'Top and Noil' space and added up with the other points to arrive at a points total for each fleece so that the fleeces can be placed.

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MEMORANDUM TO JUDGES AND STEWARDS

Manner of determining points (30) for clean fleece weight

Example 1:

Medium merino rams fleece, weight 9 kg., yield 69%.
Turn to ready reckoner section at back of book, and
apply 69% yield to 9 kg., weight. This gives 6.21 kg., of
clean fleece weight. Then turn to table under medium
merino, ram column, where 6.21 is nearer to 6.24,
consequently, the fleece gains 26 points out of 30.

Example 2:

Corriedale ewe fleece, weight 7.2 kg., yield 73%. Turn
to ready reckoner section at back of book, and apply
73% yield to 7.2 kg., weight. This gives 5.26 kg., of
clean fleece weight. Then turn to table under
Corriedale, ewe and wether column, where 5.26 is
nearer to 5.15, consequently, the fleece gains 22 points
out of 30.

Example 3: Using imperial weight scales

Corriedale ewe fleece, weight 16 lbs., yield 73%. Turn
to metric conversion table (page 32) where 16 lbs., is
7.3 kg. Then turn to ready reckoner section at back of
book, and apply 73% yield to 7.3 kg., weight. This gives
5.33 kg., of clean fleece weight. Then turn to table
under Corriedale, ewe and wether column, where 5.35 is
nearer to 5.38, consequently, the fleece gains 23 points
out of 30.

RECOMMENDATIONS TO JUDGES

The National Council of Wool Selling Brokers of Australia is endeavouring to create a standardisation of fleece judging and to assist this aim we have drawn up the following:-

1. Judges must be satisfied that all fleeces are exhibited in their correct classes and that unskirted or insufficiently skirted fleece will be correctly skirted under direction of the Chief Steward or Supervisor in charge.

2. The product tables are drawn up to simplify the Judges' and Stewards' work and create standardisation throughout Australia. Maximum weights and yields listed for each section are designed to cover the general, maximum figures could be exceeded. As this would occur on only limited occasions, it is recommended that no additional points to the maximum (viz 30) be allowed for product. Yield to be based on Schlumberger dry combing yield.

3. Judges' attention is drawn to the fact that at most shows fleeces are to be inspected by the public after judging, and any undue handling by the Judges adds to the difficulty of attractively displaying the fleeces.

4. Judges should ask the Stewards to remove any name tags which would indicate the identity of the owner before judging commences. The only means of identification should be the exhibit card approved by the Society conducting the competition.

5. If any person makes comment to a Judge as to the identity of an exhibit in the sections before all awards have been made, the Judge should draw the attention of the Steward in charge of the section to the fact.

6. Where the rules of the Society conducting the exhibit permit open class competition, all fleeces must be judged and points allotted in keeping with the various sections to which they would normally apply.

7. No championship award need be made if in the opinion of the Chief Judge, the standard does not warrant a championship being awarded.

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SCALE OF POINTS FOR JUDGING

1. **Trueness to Breed**

   Possessing the most desirable characteristics of the breed.
   (10 points)

2. **Conformity of Length**

   The desired uniformity of length throughout the entire fleece as it stands. (10 points)

3. **Soundness**

   Sufficient tensile strength to give the best results under the combing system. (10 points)

4. **Handle**

   The softness and pliancy necessary for outstanding results in spinning.
   (8 points)

5. **Colour or Bloom etc,**

   The possession of those characteristics for top grading from a style point of view. (6 points)

6. **Character and Style**

   Even and well defined crimp from butt to tip. (10 points)

7. **Density**

   Compactness of growth, bulk and breadth of staple. (6 points)

8. **Evenness**

   The regularity of count.
   (10 points)

9. **Clean Fleece Weight**

   Actual clean fleece weight. (refer "Recommendations to Stewards" Paragraph 3) (30 points)

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RECOMMENDATIONS TO STEWARDS

1. All fleeces should be unpacked and checked for the absence of skirtings, unskirted or insufficiently skirted fleeces will be correctly skirted under the direction of the Chief Steward or Supervisor in Charge; name tags removed and fleeces weighed and placed in the appropriate class before judging.

2. Where possible, scale used for weighing should be tested for accuracy.

3. The points for clean fleece weight will be determined by the Stewards after applying the yield as given by the Judge, or as determined by tested results, to the weight of the fleece, and referring to the scales for the various sections detailed in the following pages.

4. Weight of the greasy fleece shall be taken to the nearest 100 grams.

5. A Steward is required to call the maximum points, i.e. soundness 6, and record the Judge's points allocation throughout the judging. All Stewards should endeavour to prevent any undue noise during judging, as judging on a points basis may cause errors if the Steward recording the Judge's allocation of points is having difficultly in hearing the Judge.

6. Stewards should make every effort to see that no person makes any comment on the merits of an exhibit or the identity of the owner of an exhibit until all awards have been made.

7. Any Society wishing to adopt the National Council of Wool Selling Brokers of Australia's judging method, may obtain a copy of this booklet on application to the Council's office, 6th Floor, Wool Exchange, 530 Little Collins St, Melbourne. Societies are reminded that it is not necessary to adopt all classes as shown in this booklet as they may not be applicable to the particular area.

8. A ready-reckoner for converting greasy weight to clean fleece weight product is appended.

NATIONAL FLEECE COMPETITION

RECOMMENDED JUDGING CATEGORIES

Superfine Merino ram's wool, 74s and/or up.

Superfine Merino ewe or wether's wool, 74's and/or up.

Fine Merino ram's wool, 70s and/or up.

Fine Merino ewe or wether's wool, 70s and/or up.

Medium Merino ram's wool, 64s.

Medium Merino ewe or wether's wool, 64s.

Strong Merino ram's wool, 60s.

Strong Merino ewe or wether's wool, 60s.

Extra strong Merino ram's wool, 58s or broader.

Extra strong Merino ewe or wether's wool, 58s or broader.

Polwarth ram's wool, 60s.

Polwarth ewes or wether's wool, 60s.

Corriedale ram's wool, 58/50s.

Corriedale ewe or wether's wool, 58/50s.

Zenith ram's wool, 60/64s.

Zenith ewe or wether's wool 60/64s.

Romney Marsh wool, 46s.

Border Leicester wool, 46s.

English Leicester wool, 40s

Lincoln wool.

Downs wool.

Fine comeback wool, 60/64s.

Comeback wool, 58s up.

Fine crossbred wool, 56s.

Medium crossbred wool, 50s.

Strong crossbred wool 46s and lower.

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ALLOCATION OF POINTS FOR TOP AND NOIL PRODUCT

EXTRA SUPERFINE MERINO

POINTS	EWE & WHETHER	POINTS	EWE & WHETHER
30	3.33	15	1.72
29	3.21	14	1.61
28	3.10	13	1.49
27	2.98	12	1.38
26	2.87	11	1.26
25	2.76	10	1.15
24	2.65	9	1.03
23	2.55	8	0.92
22	2.42	7	0.80
21	2.34	6	0.69
20	2.23	5	0.57
19	2.13	4	0.46
18	2.03	3	0.34
17	1.93	2	0.23
16	1.84	1	0.12

1 Point = 0.12 Ewe & Whether.

ALLOCATION OF POINTS FOR TOP AND NOIL PRODUCT

SUPERFINE MERINO

POINTS	RAM	STUD EWE	EWE & WHETHER	POINTS	RAM	STUD EWE	EWE & WHETHER
30	4.90	4.30	3.70	15	2.45	2.15	1.85
29	4.74	4.16	3.58	14	2.29	2.01	1.73
28	4.57	4.01	3.45	13	2.12	1.86	1.60
27	4.41	3.87	3.33	12	1.95	1.71	1.48
26	4.25	3.73	3.21	11	1.80	1.55	1.36
25	4.08	3.58	3.08	10	1.63	1.43	1.23
24	3.92	3.44	2.96	9	1.47	1.29	1.11
23	3.76	3.30	2.84	8	1.31	1.15	0.99
22	3.59	3.15	2.71	7	1.14	1.00	0.86
21	3.43	3.01	2.59	6	0.98	0.86	0.74
20	3.27	2.87	2.47	5	0.82	0.72	0.62
19	3.10	2.72	2.34	4	0.65	0.57	0.49
18	2.94	2.58	2.22	3	0.49	0.43	0.37
17	2.78	2.44	2.10	2	0.33	0.29	0.25
16	2.61	2.29	1.97	1	0.16	0.14	0.12

1 Point = 0.16 Ram , 0.14 Stud Ewe , 0.12 Ewe & Whether.

ALLOCATION OF POINTS FOR TOP AND NOIL PRODUCT

FINE MERINO

POINTS	RAM	STUD EWE	EWE & WHETHER	POINTS	RAM	STUD EWE	EWE & WHETHER
30	5.76	5.08	4.56	15	2.88	2.50	2.28
29	5.57	4.91	4.41	14	2.69	2.33	2.13
28	5.38	4.74	4.26	13	2.50	2.16	1.98
27	5.18	4.56	4.10	12	2.30	1.98	1.82
26	4.99	4.39	3.95	11	2.11	1.81	1.67
25	4.80	4.22	3.80	10	1.92	1.64	1.52
24	4.61	4.05	3.65	9	1.73	1.47	1.37
23	4.42	3.88	3.50	8	1.54	1.30	1.22
22	4.22	3.70	3.34	7	1.34	1.12	1.06
21	4.03	3.53	3.19	6	1.15	0.95	0.91
20	3.84	3.36	3.04	5	0.96	0.78	0.76
19	3.65	3.19	2.89	4	0.77	0.61	0.61
18	3.46	3.02	2.74	3	0.58	0.44	0.46
17	3.26	2.84	2.58	2	0.29	0.27	0.30
16	3.07	2.67	2.43	1	0.19	0.17	0.15

ALLOCATION OF POINTS FOR TOP AND NOIL PRODUCT

MEDIUM MERINO

POINTS	RAM	STUD EWE	EWE & WHETHER	POINTS	RAM	STUD EWE	EWE & WHETHER
30	7.20	6.60	6.08	15	3.60	3.30	3.05
29	6.96	6.38	5.89	14	3.36	3.08	2.84
28	6.72	6.16	5.68	13	3.12	2.86	2.64
27	6.48	5.94	5.48	12	2.88	2.64	2.44
26	6.24	5.72	5.28	11	2.64	2.42	2.23
25	6.00	5.50	5.08	10	2.40	2.20	2.03
24	5.76	5.28	4.87	9	2.16	1.98	1.83
23	5.52	5.06	4.67	8	1.92	1.76	1.62
22	5.28	4.84	4.47	7	1.68	1.54	1.42
21	5.04	4.62	4.26	6	1.44	1.32	1.22
20	4.80	4.40	4.06	5	1.20	1.10	1.02
19	4.56	4.18	3.86	4	0.96	0.88	0.81
18	4.32	3.96	3.65	3	0.72	0.66	0.61
17	4.08	3.74	3.45	2	0.48	0.44	0.41
16	3.84	3.52	3.25	1	0.24	0.22	0.20

1 Point = 0.24 Ram , 0.22 Stud Ewe , 0.20 Ewe & Whether.

ALLOCATION OF POINTS FOR TOP AND NOIL PRODUCT

STRONG MERINO

POINTS	RAM	STUD EWE	EWE & WHETHER	POINTS	RAM	STUD EWE	EWE & WHETHER
30	8.14	7.54	7.02	15	4.07	3.77	3.51
29	7.87	7.29	6.79	14	3.80	3.52	3.28
28	7.60	7.04	6.55	13	3.53	3.27	3.04
27	7.33	6.79	6.32	12	3.26	3.02	2.81
26	7.05	6.53	6.08	11	2.98	2.76	2.57
25	6.78	6.28	5.85	10	2.71	2.51	2.34
24	6.51	6.03	5.62	9	2.44	2.26	2.11
23	6.24	5.78	5.38	8	2.17	2.01	1.87
22	5.97	5.53	5.15	7	1.90	1.76	1.64
21	5.70	5.28	4.92	6	1.63	1.51	1.40
20	5.43	5.03	4.68	5	1.26	1.26	1.17
19	5.15	4.77	4.45	4	1.09	1.01	0.94
18	4.88	4.52	4.21	3	0.81	0.75	0.70
17	4.61	4.27	3.98	2	0.54	0.50	0.47
16	4.34	4.02	3.74	1	0.27	0.25	0.23

1 Point = 0.27 Ram , 0.25 Stud Ewe , 0.23 Ewe & Whether.

ALLOCATION OF POINTS FOR TOP AND NOIL PRODUCT

EXTRA STRONG MERINO

POINTS	RAM	STUD EWE	EWE & WHETHER	POINTS	RAM	STUD EWE	EWE & WHETHER
30	8.89	8.29	7.80	15	4.44	4.14	3.90
29	8.58	8.00	7.54	14	4.14	3.86	3.64
28	8.29	7.73	7.28	13	3.85	3.59	3.38
27	7.99	7.45	7.02	12	3.55	3.31	3.12
26	7.70	7.18	6.76	11	3.26	3.04	2.86
25	7.40	6.90	6.50	10	2.96	2.76	2.60
24	7.10	6.62	6.24	9	2.66	2.48	2.34
23	6.81	6.35	5.98	8	2.37	2.21	2.08
22	6.51	6.07	5.72	7	2.07	1.93	1.82
21	6.22	5.80	5.46	6	1.78	1.66	1.56
20	5.92	5.52	5.20	5	1.48	1.38	1.30
19	5.62	5.24	4.94	4	1.18	1.10	1.04
18	5.33	4.97	4.68	3	0.89	0.83	0.78
17	5.03	4.69	4.42	2	0.59	0.55	0.52
16	4.74	4.42	4.16	1	0.30	0.28	0.26

1 Point = 0.30 Ram , 0.28 Stud Ewe , 0.26 Ewe & Whether.

ALLOCATION OF POINTS FOR TOP AND NOIL PRODUCT

POLWARTH

POINTS	RAM	EWE & WHETHER	POINTS	RAM	EWE & WHETHER
30	7.02	5.60	15	3.51	2.81
29	6.79	5.42	14	3.28	2.62
28	6.55	5.24	13	3.04	2.43
27	6.32	5.05	12	2.81	2.24
26	6.08	4.86	11	2.57	2.06
25	5.85	4.68	10	2.34	1.87
24	5.62	4.49	9	2.11	1.68
23	5.38	4.30	8	1.87	1.50
22	5.15	4.11	7	1.64	1.31
21	4.91	3.93	6	1.40	1.12
20	4.68	3.74	5	1.17	0.94
19	4.45	3.55	4	0.94	0.75
18	4.21	3.37	3	0.70	0.56
17	3.98	3.18	2	0.47	0.37
16	3.74	2.99	1	0.23	0.19

1 Point = 0.23 Ram , 0.19 Ewe & Whether.

ALLOCATION OF POINTS FOR TOP AND NOIL PRODUCT

CORRIEDALE

POINTS	RAM	EWE & WHETHER	POINTS	RAM	EWE & WHETHER
30	9.12	7.02	15	4.56	3.51
29	8.82	6.79	14	4.26	3.28
28	8.51	6.55	13	3.95	3.04
27	8.21	6.37	12	3.65	2.81
26	7.90	6.08	11	3.34	2.57
25	7.60	5.85	10	3.04	2.34
24	7.30	5.62	9	2.74	2.11
23	6.99	5.38	8	2.43	1.87
22	6.69	5.15	7	2.13	1.64
21	6.38	4.91	6	1.82	1.40
20	6.08	4.68	5	1.52	1.17
19	5.78	4.45	4	1.22	0.94
18	5.42	4.21	3	0.91	0.70
17	5.17	3.98	2	0.61	0.47
16	4.86	3.74	1	0.30	0.23

1 Point = 0.30 Ram , 0.23 Ewe & Whether.

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ALLOCATION OF POINTS FOR TOP AND NOIL PRODUCT

ZENITH

POINTS	RAM	EWE & WHETHER	POINTS	RAM	EWE & WHETHER
30	6.66	5.46	15	3.33	2.73
29	6.44	5.28	14	3.11	2.55
28	6.22	5.10	13	2.99	2.37
27	5.99	4.91	12	2.66	2.18
26	5.77	4.73	11	2.44	2.00
25	5.55	4.55	10	2.22	1.82
24	5.33	4.37	9	2.00	1.64
23	5.11	4.19	8	1.78	1.46
22	4.88	4.00	7	1.55	1.27
21	.4.66	3.82	6	1.33	1.09
20	4.44	3.64	5	1.11	0.91
19	4.22	3.46	4	0.89	0.72
18	4.00	3.28	3	0.67	0.55
17	3.77	3.09	2	0.44	0.36
16	3.55	2.91	1	0.22	0.18

1 Point = 0.22 Ram , 0.18 Ewe & Whether.

ALLOCATION OF POINTS FOR TOP AND NOIL PRODUCT

ROMNEY

POINTS	RAM	EWE & WHETHER	POINTS	RAM	EWE & WHETHER
30	7.38	6.18	15	3.69	3.09
29	7.13	5.97	14	3.44	2.88
28	6.89	5.77	13	3.20	2.68
27	6.64	5.56	12	2.95	2.47
26	6.40	5.36	11	2.71	2.27
25	6.15	5.15	10	2.46	2.06
24	5.90	4.94	9	2.21	1.85
23	5.66	4.74	8	1.97	1.65
22	5.41	4.53	7	1.72	1.44
21	5.17	4.33	6	1.48	1.24
20	4.92	4.12	5	1.23	1.03
19	4.67	3.91	4	0.98	0.82
18	4.43	3.71	3	0.74	0.62
17	4.18	3.50	2	0.49	0.41
16	3.94	3.30	1	0.25	0.21

1 Point = 0.25 Ram , 0.21 Ewe & Whether.

ALLOCATION OF POINTS FOR TOP AND NOIL PRODUCT

BORDER LEICESTER

POINTS	RAM	EWE & WHETHER	POINTS	RAM	EWE & WHETHER
30	7.38	6.18	15	3.69	3.09
29	7.13	5.97	14	3.44	2.88
28	6.89	5.77	13	3.20	2.68
27	6.64	5.56	12	2.95	2.47
26	6.40	5.36	11	2.71	2.27
25	6.15	5.15	10	2.46	2.06
24	5.90	4.94	9	2.21	1.85
23	5.66	4.74	8	1.97	1.65
22	5.41	4.53	7	1.72	1.44
21	5.17	4.33	6	1.48	1.24
20	4.92	4.12	5	1.23	1.03
19	4.67	3.91	4	0.98	0.82
18	4.43	3.71	3	0.74	0.62
17	4.18	3.50	2	0.49	0.41
16	3.94	3.30	1	0.25	0.21

1 Point = 0.25 Ram , 0.21 Ewe & Whether.

ALLOCATION OF POINTS FOR TOP AND NOIL PRODUCT

ENGLISH LEICESTER

POINTS	RAM	EWE & WHETHER	POINTS	RAM	EWE & WHETHER
30	8.20	7.00	15	4.10	3.50
29	7.93	6.77	14	3.83	3.27
28	7.65	6.53	13	3.55	3.03
27	7.38	6.30	12	3.28	2.80
26	7.11	6.07	11	3.01	2.57
25	6.83	5.83	10	2.73	2.33
24	6.56	5.60	9	2.46	2.10
23	6.29	5.37	8	2.19	1.87
22	6.01	5.13	7	1.91	1.63
21	5.74	4.90	6	1.64	1.40
20	5.47	4.67	5	1.37	1.17
19	5.19	4.43	4	1.09	0.93
18	4.92	4.20	3	0.82	0.70
17	4.65	3.97	2	0.55	0.47
16	4.37	3.73	1	0.27	0.23

Point = 0.27 Ram , 0.23 Ewe & Whether.

ALLOCATION OF POINTS FOR TOP AND NOIL PRODUCT

LINCOLN

POINTS	RAM	EWE & WHETHER	POINTS	RAM	EWE & WHETHER
30	9.84	8.64	15	4.92	4.32
29	9.51	8.35	14	4.59	4.03
28	9.18	8.06	13	4.26	3.74
27	8.86	7.78	12	3.94	3.46
26	8.53	7.49	11	3.61	3.17
25	8.20	7.20	10	3.28	2.88
24	7.87	6.91	9	2.95	2.59
23	7.54	6.62	8	2.62	2.30
22	7.22	6.34	7	2.30	2.02
21	6.89	6.05	6	1.97	1.73
20	6.56	5.76	5	1.64	1.44
19	6.23	5.47	4	1.31	1.15
18	5.90	5.18	3	0.98	0.86
17	5.58	4.90	2	0.66	0.58
16	5.25	4.61	1	0.33	0.29

1 Point = 0.33 Ram , 0.29 Ewe & Whether.

ALLOCATION OF POINTS FOR TOP AND NOIL PRODUCT

DOWNS SECTION

POINTS	RAM	EWE & WHETHER	POINTS	RAM	EWE & WHETHER
30	2.96	2.37	15	1.48	1.19
29	2.86	2.29	14	1.38	1.11
28	2.76	2.21	13	1.28	1.03
27	2.66	2.13	12	1.18	0.95
26	2.57	2.05	11	1.09	0.87
25	2.47	1.98	10	0.99	0.79
24	2.37	1.90	9	0.89	0.71
23	2.27	1.82	8	0.79	0.63
22	2.17	1.74	7	0.69	0.55
21	2.07	1.66	6	0.59	0.47
20	1.97	1.58	5	0.49	0.40
19	1.88	1.50	4	0.39	0.32
18	1.78	1.42	3	0.30	0.24
17	1.68	1.34	2	0.20	0.16
16	1.58	1.26	1	0.10	0.08

1 Point = 0.10 Ram , 0.08 Ewe & Whether.

ALLOCATION OF POINTS FOR TOP AND NOIL PRODUCT

COMEBACK AND CROSSBRED

POINTS	F.CBK	CBK	FX	MX	SX
30	4.68	4.80	6.39	6.72	6.72
29	4.52	4.64	6.18	6.50	6.50
28	4.37	4.48	5.96	6.27	6.27
27	4.21	4.32	5.75	6.05	6.05
26	4.06	4.16	5.54	5.82	5.82
25	3.90	4.00	5.33	5.60	5.60
24	3.74	3.84	5.11	5.38	5.38
23	3.59	3.68	4.90	5.15	5.15
22	3.43	3.52	4.69	4.93	4.93
21	3.28	3.36	4.47	4.70	4.70
20	3.12	3.20	4.26	4.48	4.48
19	2.96	3.04	4.05	4.26	4.26
18	2.81	2.88	3.83	4.03	4.03
17	2.65	2.72	3.62	3.81	3.81
16	2.50	2.56	3.41	3.58	3.58
15	2.34	2.40	3.20	3.36	3.36
14	2.18	2.24	2.98	3.14	3.14
13	2.03	2.08	2.77	2.91	2.91
12	1.87	1.92	2.56	2.69	2.69
11	1.72	1.76	2.34	2.46	2.46
10	1.56	1.60	2.13	2.24	2.24
9	1.40	1.44	1.92	2.02	2.02
8	1.25	1.28	1.70	1.79	1.79
7	1.09	1.12	1.49	1.57	1.57
6	0.94	0.96	1.28	1.34	1.34
5	0.78	0.80	1.07	1.12	1.12
4	0.62	0.64	0.85	0.90	0.90
3	0.47	0.48	0.64	0.67	0.67
2	0.31	0.32	0.43	0.45	0.45
1	0.16	0.16	0.21	0.22	0.22

1 Point = 0.16 F.CBK, 0.16 CBK, 0.21 FX, 0.22 MX, 0.22 SX

YIELD	WEIGHT KG.									
	12.0	11.9	11.8	11.7	11.6	11.5	11.4	11.3	11.2	11.1
85	10.20	10.12	10.03	9.94	9.86	9.77	9.69	9.60	9.52	9.43
84	10.08	10.00	9.91	9.83	9.74	9.66	9.58	9.49	9.41	9.32
83	9.96	9.88	9.79	9.71	9.63	9.54	9.46	9.38	9.30	9.21
82	9.84	9.76	9.68	9.59	9.51	9.43	9.35	9.27	9.18	9.10
81	9.72	9.64	9.56	9.48	9.40	9.31	9.23	9.15	9.07	8.99
80	9.60	9.52	9.44	9.36	9.28	9.20	9.12	9.04	8.96	8.88
79	9.48	9.40	9.32	9.24	9.16	9.08	9.01	8.93	8.85	8.77
78	9.36	9.28	9.20	9.13	9.05	8.97	8.89	8.81	8.74	8.66
77	9.24	9.16	9.09	9.01	8.93	8.85	8.78	8.70	8.62	8.55
76	9.12	9.04	8.97	8.89	8.82	8.74	8.66	8.59	8.51	8.44
75	9.00	8.93	8.85	8.78	8.70	8.62	8.55	8.47	8.40	8.32
74	8.88	8.81	8.73	8.66	8.58	8.51	8.44	8.36	8.29	8.21
73	8.76	8.69	8.61	8.54	8.47	8.39	8.32	8.25	8.18	8.10
72	8.64	8.57	8.50	8.42	8.35	8.28	8.21	8.14	8.06	7.99
71	8.52	8.45	8.38	8.31	8.24	8.16	8.09	8.02	7.95	7.88
70	8.40	8.33	8.26	8.19	8.12	8.05	7.98	7.91	7.84	7.77
69	8.28	8.21	8.14	8.07	8.00	7.93	7.87	7.80	7.73	7.66
68	8.16	8.09	8.02	7.96	7.89	7.82	7.75	7.68	7.62	7.55
67	8.04	7.97	7.91	7.84	7.77	7.70	7.64	7.57	7.50	7.44
66	7.92	7.85	7.79	7.72	7.66	7.59	7.52	7.46	7.39	7.33
65	7.80	7.74	7.67	7.61	7.54	7.47	7.41	7.34	7.28	7.21
64	7.68	7.62	7.55	7.49	7.42	7.36	7.30	7.23	7.17	7.10
63	7.56	7.50	7.43	7.37	7.31	7.24	7.18	7.12	7.06	6.99
62	7.44	7.38	7.32	7.25	7.19	7.13	7.07	7.01	6.94	6.88
61	7.32	7.26	7.20	7.14	7.08	7.01	6.95	6.89	6.83	6.77
60	7.20	7.14	7.08	7.02	6.96	6.90	6.84	6.78	6.72	6.66
59	7.08	7.02	6.96	6.90	6.84	6.78	6.73	6.67	6.61	6.55
58	6.96	6.90	6.84	6.79	6.73	6.67	6.61	6.55	6.50	6.44
57	6.84	6.78	6.73	6.67	6.61	6.55	6.50	6.44	6.38	6.33
56	6.72	6.66	6.61	6.55	6.50	6.44	6.38	6.33	6.27	6.22
55	6.60	6.55	6.49	6.44	6.38	6.32	6.27	6.21	6.16	6.10
54	6.48	6.43	6.37	6.32	6.26	6.21	6.16	6.10	6.05	5.99
53	6.36	6.31	6.25	6.20	6.15	6.09	6.04	5.99	5.94	5.88
52	6.24	6.19	6.14	6.08	6.03	5.98	5.93	5.88	5.82	5.77
51	6.12	6.07	6.02	5.97	5.92	5.86	5.81	5.76	5.71	5.66
50	6.00	5.95	5.90	5.85	5.80	5.75	5.70	5.65	5.60	5.55

YIELD	WEIGHT KG.									
	11.0	10.9	10.8	10.7	10.8	10.5	10.4	10.3	10.2	10.1
85	9.35	9.26	9.18	9.09	9.01	8.92	8.84	8.75	8.67	8.58
84	9.24	9.16	9.07	8.99	8.90	8.82	8.74	8.65	8.57	8.48
83	9.13	9.05	8.96	8.88	8.80	8.71	8.63	8.55	8.47	9.38
82	9.02	8.94	8.86	8.77	8.69	8.61	8.53	8.45	8.36	8.28
81	8.91	8.83	8.75	8.67	8.59	8.50	8.42	8.34	8.26	8.18
80	8.80	8.72	8.64	8.56	8.48	8.40	8.32	8.24	8.16	8.08
79	8.69	8.61	8.53	8.45	8.37	8.29	8.22	8.14	8.06	7.98
78	8.58	8.50	8.42	8.35	8.27	8.19	8.11	8.03	7.96	7.88
77	8.47	8.39	8.32	8.24	8.16	8.08	8.01	7.93	7.85	7.78
76	8.36	8.28	8.21	8.13	8.06	7.98	7.90	7.83	7.75	7.68
75	8.25	8.17	8.10	8.02	7.95	7.87	7.80	7.72	7.65	7.57
74	8.14	8.07	7.99	7.92	7.84	7.77	7.70	7.62	7.55	7.47
73	8.03	7.96	7.88	7.81	7.74	7.66	7.59	7.52	7.45	7.37
72	7.92	7.85	7.78	7.70	7.63	7.56	7.49	7.42	7.34	7.27
71	7.81	7.74	7.67	7.60	7.53	7.45	7.38	7.31	7.24	7.17
70	7.70	7.63	7.56	7.49	7.42	7.35	7.28	7.21	7.14	7.07
69	7.59	7.52	7.45	7.38	7.31	7.24	7.18	7.11	7.04	6.97
68	7.48	7.41	7.34	7.28	7.21	7.14	7.07	7.00	6.94	6.87
67	7.37	7.30	7.24	7.17	7.10	7.03	6.97	6.90	6.83	6.77
66	7.26	7.19	7.13	7.06	7.00	6.93	6.86	6.80	6.73	6.67
65	7.15	7.08	7.02	6.95	6.89	6.82	6.76	6.69	6.63	6 56
64	7.04	6.98	6.91	6.85	6.78	6.72	6.66	6.59	6.53	6.46
63	6.93	6.87	6.80	6.74	6.68	6.61	6.55	6.49	6.43	6.36
62	6.82	6.76	6.70	6.63	6.57	6.51	6.45	6.39	6.32	6.26
61	6.71	6.65	6.59	6.53	6.47	6.40	6.34	6.28	6.22	6.16
60	6.60	6.54	6.48	6.42	6.36	6.30	6.24	6.18	6.12	6.06
59	6.49	6.43	6.37	6.31	6.25	6.19	6.14	6.08	6.02	5.96
58	6.38	6.32	6.26	6.21	6.15	6.09	6.03	5.97	5.92	5.86
57	6.27	6.21	6.16	6.10	6.04	5.98	5.93	5.87	5.81	5.76
56	6.16	6.10	6.05	5.99	5.94	5.88	5.82	5.77	5.71	5 66
55	6.05	5.99	5.94	5.88	5.83	5.77	5.72	5.66	5.61	5 55
54	5.94	5.89	5.83	5.78	5.72	5.67	5.62	5.56	5.51	5.45
53	5.83	5.78	5.72	5.67	5.62	5.56	5.51	5.46	5.41	5.35
52	5.72	5.67	5.62	5.56	5.51	5.46	5.41	5.36	5.30	5.25
51	5.61	5.56	5.51	5.46	5.41	5.35	5.30	5.25	5.20	5.15
50	5.50	5.45	5.40	5.35	5.30	5.25	5.20	5.15	5.10	5.05

YIELD	WEIGHT KG.									
	10.0	9.9	9.8	9.7	9.6	9.5	9.4	9.3	9.2	9.1
85	8.50	8.41	8.33	8.24	8.16	8.07	7.99	7.90	7.82	7.73
84	8.40	8.32	8.23	8.15	8.06	7.98	7.90	7.81	7.73	7.64
83	8.30	8.22	8.13	8.05	7.97	7.88	7.80	7.72	7.64	7.55
82	8.20	8.12	8.04	7.95	7.87	7.79	7.71	7.63	7.54	7.46
81	8.10	8.02	7.94	7.86	7.78	7.69	7.61	7.53	7.45	7.37
80	8.00	7.92	7.84	7.76	7.68	7.60	7.52	7.44	7.36	7.28
79	7.90	7.82	7.74	7.66	7.58	7.50	7.43	7.35	7.27	7.19
78	7.80	7.72	7.64	7.57	7.49	7.41	7.33	7.25	7.18	7.10
77	7.70	7.62	7.55	7.47	7.39	7.31	7.24	7.16	7.08	7.01
76	7.60	7.52	7.45	7.37	7.30	7.22	7.14	7.07	6.99	6.92
75	7.50	7.42	7.35	7.27	7.20	7.12	7.05	6.97	6.90	6.82
74	7.40	7.33	7.25	7.18	7.10	7.03	6.96	6.88	6.81	6.73
73	7.30	7.23	7.15	7.08	7.01	6.93	6.86	6.79	6.72	6.64
72	7.20	7.13	7.06	6.98	6.91	6.84	6.77	6.70	6.62	6.55
71	7.10	7.03	6.96	6.89	6.82	6.74	6.67	6.60	6.53	6.46
70	7.00	6.93	6.86	6.79	6.72	6.65	6.58	6.51	6.44	6.37
69	6.90	6.83	6.76	6.69	6.62	6.55	6.49	6.42	6.35	6.28
68	6.80	6.73	6.66	6.60	6.53	6.46	6.39	6.32	6.26	6.19
67	6.70	6.63	6.57	6.50	6.43	6.36	6.30	6.23	6.16	6.10
66	6.60	6.53	6.47	6.40	6.34	6.27	6.20	6.14	6.07	6.01
65	6.50	6.43	6.37	6.30	6.24	6.17	6.11	6.04	5.98	5.91
64	6.40	6.34	6.27	6.21	6.14	6.08	6.02	5.95	5.89	5.82
63	6.30	6.24	6.17	6.11	6.05	5.98	5.92	5.86	5.80	5.73
62	6.20	6.14	6.08	6.01	5.95	5.89	5.83	5.77	5.70	5.64
61	6.10	6.04	5.98	5.92	5.86	5.79	5.73	5.67	5.61	5.55
60	6.00	5.94	5.88	5.82	5.76	5.70	5.64	5.58	5.52	5.46
59	5.90	5.84	5.78	5.72	5.66	5.60	5.55	5.49	5.43	5.37
58	5.80	5.74	5.68	5.63	5.57	5.51	5.45	5.39	5.34	5.28
57	5.70	5.64	5.59	5.53	5.47	5.41	5.36	5.30	5.24	5.19
56	5.60	5.54	5.49	5.43	5.38	5.32	5.26	5.21	5.15	5.10
55	5.50	5.44	5.39	5.33	5.28	5.22	5.17	5.11	5.06	5.00
54	5.40	5.35	5.29	5.24	5.18	5.13	5.08	5.02	4.97	4.91
53	5.30	5.25	5.19	5.14	5.09	5.03	4.98	4.93	4.88	4.82
52	5.20	5.15	5.10	5.04	4.99	4.94	4.89	4.84	4.78	4.73
51	5.10	5.05	5.00	4.95	4.90	4.84	4.79	4.74	4.69	4.64
50	5.00	4.95	4.90	4.85	4.80	4.75	4.70	4.65	4.60	4.55

YIELD	WEIGHT KG.									
	9.0	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1
85	7.65	7.56	7.48	7.39	7.31	7.22	7.14	7.05	6.97	6.88
84	7.56	7.48	7.39	7.31	7.22	7.14	7.06	6.97	6.89	6.80
83	7.47	7.39	7.30	7.22	7.14	7.05	6.97	6.89	6.81	6.72
82	7.38	7.30	7.22	7.13	7.05	6.97	6.89	6.81	6.72	6.64
81	7.29	7.21	7.13	7.05	6.97	6.88	6.80	6.72	6.64	6.56
80	7.20	7.12	7.04	6.96	6.88	6.80	6.72	6.64	6.56	6.48
79	7.11	7.03	6.95	6.87	6.79	6.71	6.64	6.56	6.48	6.40
78	7.02	6.94	6.86	6.79	6.71	6.63	6.55	6.47	6.40	6.32
77	6.93	6.85	6.78	6.70	6.62	6.54	6.47	6.39	6.31	6.24
76	6.84	6.76	6.69	6.61	6.54	6.46	6.38	6.31	6.23	6.16
75	6.75	6.67	6.60	6.52	6.45	6.37	6.30	6.22	6.15	6.07
74	6.66	6.59	6.51	6.44	6.36	6.29	6.22	6.14	6.07	5.99
73	6.57	6.50	6.42	6.35	6.28	6.20	6.13	6.06	5.99	5.91
72	6.48	6.41	6.34	6.26	6.19	6.12	6.05	5.98	5.90	5.83
71	6.39	6.32	6.25	6.18	6.11	6.03	5.96	5.89	5.82	5.75
70	6.30	6.23	6.16	6.09	6.02	5.95	5.88	5.81	5.74	5.67
69	6.21	6.14	6.07	6.00	5.93	5.86	5.80	5.73	5.66	5.59
68	6.12	6.05	5.98	5.92	5.85	5.78	5.71	5.64	5.58	5.51
67	6.03	5.96	5.90	5.83	5.76	5.69	5.63	5.56	5.49	5.43
66	5.94	5.87	5.81	5.74	5.68	5.61	5.54	5.48	5.41	5.35
65	5.85	5.78	5.72	5.65	5.59	5.52	5.46	5.39	5.33	5.26
64	5.76	5.70	5.63	5.57	5.50	5.44	5.38	5.31	5.25	5.18
63	5.67	5.61	5.54	5.48	5.42	5.35	5.29	5.23	5.17	5.10
62	5.58	5.52	5.46	5.39	5.33	5.27	5.21	5.15	5.08	5.02
61	5.49	5.43	5.37	5.31	5.25	5.18	5.12	5.06	5.00	4.94
60	5.40	5.34	5.28	5.22	5.16	5.10	5.04	4.98	4.92	4.86
59	5.31	5.25	5.19	5.13	5.07	5.01	4.96	4.90	4.84	4.78
58	5.22	5.16	5.10	5.05	4.99	4.93	4.87	4.81	4.76	4.70
57	5.13	5.07	5.02	4.96	4.90	4.84	4.79	4.73	4.67	4.62
56	5.04	4.98	4.93	4.87	4.82	4.76	4.70	4.65	4.59	4.54
55	4.95	4.89	4.84	4.78	4.73	4.67	4.62	4.56	4.51	4.45
54	4.86	4.81	4.75	4.70	4.64	4.59	4.54	4.48	4.43	4.37
53	4.77	4.72	4.66	4.61	4.56	4.50	4.45	4.40	4.35	4.29
52	4.68	4.63	4.58	4.52	4.47	4.42	4.37	4.32	4.26	4.21
51	4.59	4.54	4.49	4.44	4.39	4.33	4.28	4.23	4.18	4.13
50	4.50	4.45	4.40	4.35	4.30	4.25	4.20	4.15	4.10	4.05

YIELD	WEIGHT KG.									
	8.0	7.9	7.8	7.7	7.6	7.5	7.4	7.3	7.2	7.1
85	6.80	6.71	6.63	6.54	6.46	6.37	6.29	6.20	6.12	6.03
84	6.72	6.64	6.55	6.47	6.38	6.30	6.22	6.13	6.05	5.96
83	6.64	6.56	6.47	6.39	6.31	6.22	6.14	6.06	5.98	5.89
82	6.56	6.48	6.40	6.31	6.23	6.15	6.07	5.99	5.90	5.82
81	6.48	6.40	6.32	6.24	6.16	6.07	5.99	5.91	5.83	5.75
80	6.40	6.32	6.24	6.16	6.08	8.00	5.92	5.84	5.76	5.68
79	6.32	6.24	6.16	6.08	6.00	5.92	5.85	5.77	5.69	5.61
78	6.24	6.16	6.08	6.01	5.93	5.85	5.77	5.69	5.62	5.54
77	6.16	6.08	6.01	5.93	5.85	5.77	5.70	5.62	5.54	5.47
76	6.08	6.00	5.93	5.85	5.78	5.70	5.62	5.55	5.47	5.40
75	6.00	5.92	5.85	5.77	5.70	5.62	5.55	5.47	5.40	5.32
74	5.92	5.85	5.77	5.70	5.62	5.55	5.48	5.40	5.33	5.25
73	5.84	5.77	5.69	5.62	5.55	5.47	5.40	5.33	5.26	5.18
72	5.76	5.69	5.62	5.54	5.47	5.40	5.33	5.26	5.18	5.11
71	5.68	5.61	5.54	5.47	5.40	5.32	5.25	5.18	5.11	5.04
70	5.60	5.53	5.46	5.39	5.32	5.25	5.18	5.11	5.04	4.97
69	5.52	5.45	5.38	5.31	5.24	5.17	5.11	5.04	4.97	4.90
68	5.44	5.37	5.30	5.24	5.17	5.10	5.03	4.96	4.90	4.83
67	5.36	5.29	5.23	5.16	5.09	5.02	4.96	4.89	4.82	4.76
66	5.28	5.21	5.15	5.08	5.02	4.95	4.88	4.82	4.75	4.69
65	5.20	5.13	5.07	5.00	4.94	4.87	4.81	4.74	4.68	4.61
64	5.12	5.06	4.99	4.93	4.86	4.80	4.74	4.67	4.61	4.54
63	5.04	4.98	4.91	4.85	4.79	4.72	4.66	4.60	4.54	4.47
62	4.96	4.90	4.84	4.77	4.71	4.65	4.59	4.53	4.46	4.40
61	4.88	4.82	4.76	4.70	4.64	4.57	4.51	4.45	4.39	4.33
60	4.80	4.74	4.68	4.62	4.56	4.50	4.44	4.38	4.32	4.26
59	4.72	4.66	4.60	4.54	4.48	4.42	4.37	4.31	4.25	4.19
58	4.64	4.58	4.52	4.47	4.41	4.35	4.29	4.23	4.18	4.12
57	4.56	4.50	4.45	4.39	4.33	4.27	4.22	4.16	4.10	4.05
56	4.48	4.42	4.37	4.31	4.26	4.20	4.14	4.09	4.03	3.98
55	4.40	4.34	4.29	4.23	4.18	4.12	4.07	4.01	3.96	3.90
54	4.32	4.27	4.21	4.16	4.10	4.05	4.00	3.94	3.89	3.83
53	4.24	4.19	4.13	4.08	4.03	3.97	3.92	3.87	3.82	3.76
52	4.16	4.11	4.06	4.00	3.95	3.90	3.85	3.80	3.74	3.69
51	4.08	4.03	3.98	3.93	3.88	3.82	3.77	3.72	3.67	3.62
50	4.00	3.95	3.90	3.85	3.80	3.75	3.70	3.65	3.60	3.55

YIELD	WEIGHT KG.									
	7.0	6.9	6.8	6.7	6.6	6.5	6.4	6.3	6.2	6.1
85	5.95	5.86	5.78	5.69	5.61	5.52	5.44	5.35	5.27	5.18
84	5.88	5.80	5.71	5.63	5.54	5.46	5.38	5.29	5.21	5.12
83	5.81	5.73	5.64	5.56	5.48	5.39	5.31	5.23	5.15	5.06
82	5.74	5.66	5.58	5.49	5.41	5.33	5.25	5.17	5.08	5.00
81	5.67	5.59	5.51	5.43	5.35	5.26	5.18	5.10	5.02	4.94
80	5.60	5.52	5.44	5.36	5.28	5.20	5.12	5.04	4.96	4.88
79	5.53	5.45	5.37	5.29	5.21	5.13	5.06	4.98	4.90	4.82
78	5.46	5.38	5.30	5.23	5.15	5.07	4.99	4.91	4.84	4.76
77	5.39	5.31	5.24	5.16	5.08	5.00	4.93	4.85	4.77	4.70
76	5.32	5.24	5.17	5.09	5.02	4.94	4.86	4.79	4.71	4.64
75	5.25	5.17	5.10	5.02	4.95	4.87	4.80	4.72	4.65	4.57
74	5.18	5.11	5.03	4.96	4.88	4.81	4.74	4.66	4.59	4.51
73	5.11	5.04	4.96	4.89	4.82	4.74	4.67	4.60	4.53	4.45
72	5.04	4.97	4.90	4.82	4.75	4.68	4.61	4.54	4.46	4.39
71	4.97	4.90	4.83	4.76	4.69	4.61	4.54	4.47	4.40	4.33
70	4.90	4.83	4.76	4.69	4.62	4.55	4.48	4.41	4.34	4.27
69	4.83	4.76	4.69	4.62	4.55	4.48	4.42	4.35	4.28	4.21
68	4.76	4.69	4.62	4.56	4.49	4.42	4.35	4.28	4.22	4.15
67	4.69	4.62	4.56	4.49	4.42	4.35	4.29	4.22	4.15	4.09
66	4.62	4.55	4.49	4.42	4.36	4.29	4.22	4.16	4.09	4.03
65	4.55	4.48	4.42	4.35	4.29	4.22	4.16	4.09	4.03	3.96
64	4.48	4.42	4.35	4.29	4.22	4.16	4.10	4.03	3.97	3.90
63	4.41	4.35	4.28	4.22	4.16	4.09	4.03	3.97	3.91	3.84
62	4.34	4.28	4.22	4.15	4.09	4.03	3.97	3.91	3.84	3.78
61	4.27	4.21	4.15	4.09	4.03	3.96	3.90	3.84	3.78	3.72
60	4.20	4.14	4.08	4.02	3.96	3.90	3.84	3.78	3.72	3.66
59	4.13	4.07	4.01	3.95	3.89	3.83	3.78	3.72	3.66	3.60
58	4.06	4.00	3.94	3.89	3.83	3.77	3.71	3.65	3.60	3.54
57	3.99	3.93	3.88	3.82	3.76	3.70	3.65	3.59	3.53	3.48
56	3.92	3.86	3.81	3.75	3.70	3.64	3.58	3.53	3.47	3.42
55	3.85	3.79	3.74	3.68	3.63	3.57	3.52	3.46	3.41	3.35
54	3.78	3.73	3.67	3.62	3.56	3.51	3.46	3.40	3.35	3.29
53	3.71	3.66	3.60	3.55	3.50	3.44	3.39	3.34	3.29	3.23
52	3.64	3.59	3.54	3.48	3.43	3.38	3.33	3.28	3.22	3.17
51	3.57	3.52	3.47	3.42	3.37	3.31	3.26	3.21	3.16	3.11
50	3.50	3.45	3.40	3.35	3.30	3.25	3.20	3.15	3.10	3.05

YIELD	WEIGHT KG.									
	6.0	5.9	5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.1
85	5.10	5.01	4.93	4.84	4.76	4.67	4.59	4.50	4.42	4.33
84	5.04	4.96	4.87	4.79	4.70	4.62	4.54	4.45	4.37	4.28
83	4.98	4.90	4.81	4.73	4.65	4.56	4.48	4.40	4.32	4.23
82	4.92	4.84	4.76	4.67	4.59	4.51	4.43	4.35	4.26	4.18
81	4.86	4.78	4.70	4.62	4.54	4.45	4.37	4.29	4.21	4.13
80	4.80	4.72	4.64	4.56	4.48	4.40	4.32	4.24	4.16	4.08
79	4.74	4.66	4.58	4.50	4.42	4.34	4.27	4.19	4.11	4.03
78	4.68	4.60	4.52	4.45	4.37	4.29	4.21	4.13	4.06	3.98
77	4.62	4.54	4.47	4.39	4.31	4.23	4.16	4.08	4.00	3.93
76	4.56	4.48	4.41	4.33	4.26	4.18	4.10	4.03	3.95	3.88
75	4.50	4.42	4.35	4.27	4.20	4.12	4.05	3.97	3.90	3.82
74	4.44	4.37	4.29	4.22	4.14	4.07	4.00	3.92	3.85	3.77
73	4.38	4.31	4.23	4.16	4.09	4.01	3.94	3.87	3.80	3.72
72	4.32	4.25	4.18	4.10	4.03	3.96	3.89	3.82	3.74	3.67
71	4.26	4.19	4.12	4.05	3.98	3.90	3.83	3.76	3.69	3.62
70	4.20	4.13	4.06	3.99	3.92	3.85	3.78	3.71	3.64	3.57
69	4.14	4.07	4.00	3.93	3.86	3.79	3.73	3.66	3.59	3.52
68	4.08	4.01	3.94	3.88	3.81	3.74	3.67	3.60	3.54	3.47
67	4.02	3.95	3.89	3.82	3.75	3.68	3.62	3.55	3.48	3.42
66	3.96	3.89	3.83	3.76	3.70	3.63	3.56	3.50	3.43	3.37
65	3.90	3.83	3.77	3.70	3.64	3.57	3.51	3.44	3.38	3.31
64	3.84	3.78	3.71	3.65	3.58	3.52	3.46	3.39	3.33	3.26
63	3.78	3.72	3.65	3.59	3.53	3.46	3.40	3.34	3.28	3.21
62	3.72	3.66	3.60	3.53	3.47	3.41	3.35	3.29	3.22	3.16
61	3.66	3.60	3.54	3.48	3.42	3.35	3.29	3.23	3.17	3.11
60	3.60	3.54	3.48	3.42	3.36	3.30	3.24	3.18	3.12	3.06
59	3.54	3.48	3.42	3.36	3.30	3.24	3.19	3.13	3.07	3.01
58	3.48	3.42	3.36	3.31	3.25	3.19	3.13	3.07	3.02	2.96
57	3.42	3.36	3.31	3.25	3.19	3.13	3.08	3.02	2.96	2.91
56	3.36	3.30	3.25	3.19	3.14	3.08	3.02	2.97	2.91	2.86
55	3.30	3.24	3.19	3.13	3.08	3.02	2.97	2.91	2.86	2.80
54	3.24	3.19	3.13	3.08	3.02	2.97	2.92	2.86	2.81	2.75
53	3.18	3.13	3.07	3.02	2.97	2.91	2.86	2.81	2.76	2.70
52	3.12	3.07	3.02	2.96	2.91	2.86	2.81	2.76	2.70	2.65
51	3.06	3.01	2.96	2.91	2.86	2.80	2.75	2.70	2.65	2.60
50	3.00	2.95	2.90	2.85	2.80	2.75	2.70	2.65	2.60	2.55

YIELD	WEIGHT KG.									
	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.2	4.1
85	4.25	4.16	4.08	3.99	3.91	3.82	3.74	3.65	3.57	3.48
84	4.20	4.12	4.03	3.95	3.86	3.78	3.70	3.61	3.53	3.44
83	4.15	4.07	3.98	3.90	3.82	3.73	3.65	3.57	3.49	3.40
82	4.10	4.02	3.94	3.85	3.77	3.69	3.61	3.53	3.44	3.36
81	4.05	3.97	3.89	3.81	3.73	3.64	3.56	3.48	3.40	3.32
80	4.00	3.92	3.84	3.76	3.68	3.60	3.52	3.44	3.36	3.28
79	3.95	3.87	3.79	3.71	3.63	3.55	3.48	3.40	3.32	3.24
78	3.90	3.82	3.74	3.67	3.59	3.51	3.43	3.35	3.28	3.20
77	3.85	3.77	3.70	3.62	3.54	3.46	3.39	3.31	3.23	3.16
76	3.80	3.72	3.65	3.57	3.50	3.42	3.34	3.27	3.19	3.12
75	3.75	3.67	3.60	3.52	3.45	3.37	3.30	3.22	3.15	3.07
74	3.70	3.63	3.55	3.48	3.40	3.33	3.26	3.18	3.11	3.03
73	3.65	3.58	3.50	3.43	3.36	3.28	3.21	3.14	3.07	2.99
72	3.60	3.53	3.46	3.38	3.31	3.24	3.17	3.10	3.02	2.95
71	3.55	3.48	3.41	3.34	3.27	3.19	3.12	3.05	2.98	2.91
70	3.50	3.43	3.36	3.29	3.22	3.15	3.08	3.01	2.94	2.87
69	3.45	3.38	3.31	3.24	3.17	3.10	3.04	2.97	2.90	2.83
68	3.40	3.33	3.26	3.20	3.13	3.06	2.99	2.92	2.86	2.79
67	3.35	3.28	3.22	3.15	3.08	3.01	2.95	2.88	2.81	2.75
66	3.30	3.23	3.17	3.10	3.04	2.97	2.90	2.84	2.77	2.71
65	3.25	3.18	3.12	3.05	2.99	2.92	2.86	2.79	2.73	2.66
64	3.20	3.14	3.07	3.01	2.94	2.88	2.82	2.75	2.69	2.62
63	3.15	3.09	3.02	2.96	2.90	2.83	2.77	2.71	2.65	2.58
62	3.10	3.04	2.98	2.91	2.85	2.79	2.73	2.67	2.60	2.54
61	3.05	2.99	2.93	2.87	2.81	2.74	2.68	2.62	2.56	2.50
60	3.00	2.94	2.88	2.82	2.76	2.70	2.64	2.58	2.52	2.46
59	2.95	2.89	2.83	2.77	2.71	2.65	2.60	2.54	2.48	2.42
58	2.90	2.84	2.78	2.73	2.67	2.61	2.55	2.49	2.44	2.38
57	2.85	2.79	2.74	2.68	2.62	2.56	2.51	2.45	2.39	2.34
56	2.80	2.74	2.69	2.63	2.58	2.52	2.46	2.41	2.35	2.30
55	2.75	2.69	2.64	2.58	2.53	2.47	2.42	2.36	2.31	2.25
54	2.70	2.65	2.59	2.54	2.48	2.43	2.38	2.32	2.27	2.21
53	2.65	2.60	2.54	2.49	2.44	2.38	2.33	2.28	2.23	2.17
52	2.60	2.55	2.50	2.44	2.39	2.34	2.29	2.24	2.18	2.13
51	2.55	2.50	2.45	2.40	2.35	2.29	2.24	2.19	2.14	2.09
50	2.50	2.45	2.40	2.35	2.30	2.25	2.20	2.15	2.10	2.05

YIELD	WEIGHT KG.									
	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1
85	3.40	3.31	3.23	3.14	3.06	2.97	2.89	2.80	2.72	2.63
84	3.36	3.28	3.19	3.11	3.02	2.94	2.86	2.77	2.69	2.60
83	3.32	3.24	3.15	3.07	2.99	2.90	2.82	2.74	2.66	2.57
82	3.28	3.20	3.12	3.03	2.95	2.87	2.79	2.71	2.62	2.54
81	3.24	3.16	3.08	3.00	2.92	2.83	2.75	2.67	2.59	2.51
80	3.20	3.12	3.04	2.96	2.88	2.80	2.72	2.64	2.56	2.48
79	3.16	3.08	3.00	2.92	2.84	2.76	2.69	2.61	2.53	2.45
78	3.12	3.04	2.96	2.89	2.81	2.73	2.65	2.57	2.50	2.42
77	3.08	3.00	2.93	2.85	2.77	2.69	2.62	2.54	2.46	2.39
76	3.04	2.96	2.89	2.81	2.74	2.66	2.58	2.51	2.43	2.36
75	3.00	2.92	2.85	2.77	2.70	2.62	2.55	2.47	2.40	2.32
74	2.96	2.89	2.81	2.74	2.66	2.59	2.52	2.44	2.37	2.29
73	2.92	2.85	2.77	2.70	2.63	2.55	2.48	2.41	2.34	2.26
72	2.88	2.81	2.74	2.66	2.59	2.52	2.45	2.38	2.30	2.23
71	2.84	2.77	2.70	2.63	2.56	2.48	2.41	2.34	2.27	2.20
70	2.80	2.73	2.66	2.59	2.52	2.45	2.38	2.31	2.24	2.17
69	2.76	2.69	2.62	2.55	2.48	2.41	2.35	2.28	2.21	2.14
68	2.72	2.65	2.58	2.52	2.45	2.38	2.31	2.24	2.18	2.11
67	2.68	2.61	2.55	2.48	2.41	2.34	2.28	2.21	2.14	2.08
66	2.64	2.57	2.51	2.44	2.38	2.31	2.24	2.18	2.11	2.05
65	2.60	2.53	2.47	2.40	2.34	2.27	2.21	2.14	2.08	2.01
64	2.56	2.50	2.43	2.37	2.30	2.24	2.18	2.11	2.05	1.98
63	2.52	2.46	2.39	2.33	2.27	2.20	2.14	2.08	2.02	1.95
62	2.48	2.42	2.36	2.29	2.23	2.17	2.11	2.05	1.98	1.92
61	2.44	2.38	2.32	2.26	2.20	2.13	2.07	2.01	1.95	1.89
60	2.40	2.34	2.28	2.22	2.16	2.10	2.04	1.98	1.92	1.86
59	2.36	2.30	2.24	2.18	2.12	2.06	2.01	1.95	1.89	1.83
58	2.32	2.26	2.20	2.15	2.09	2.03	1.97	1.91	1.86	1.80
57	2.28	2.22	2.17	2.11	2.05	1.99	1.94	1.88	1.82	1.77
56	2.24	2.18	2.13	2.07	2.02	1.96	1.90	1.85	1.79	1.74
55	2.20	2.14	2.09	2.03	1.98	1.92	1.87	1.81	1.76	1.70
54	2.16	2.11	2.05	2.00	1.94	1.89	1.84	1.78	1.73	1.67
53	2.12	2.07	2.01	1.96	1.91	1.85	1.80	1.75	1.70	1.64
52	2.08	2.03	1.98	1.92	1.87	1.82	1.77	1.72	1.66	1.61
51	2.04	1.99	1.94	1.89	1.84	1.78	1.73	1.68	1.63	1.58
50	2.00	1.95	1.90	1.85	1.80	1.75	1.70	1.65	1.60	1.55

READY RECKONER

YIELD	WEIGHT KG.									
	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.2	2.1
85	2.55	2.46	2.38	2.29	2.21	2.12	2.04	1.95	1.87	1.78
84	2.52	2.44	2.35	2.27	2.18	2.10	2.02	1.93	1.85	1.76
83	2.49	2.41	2.32	2.24	2.16	2.07	1.99	1.91	1.83	1.74
82	2.46	2.38	2.30	2.21	2.13	2.05	1.97	1.89	1.80	1.72
81	2.43	2.35	2.27	2.19	2.11	2.02	1.94	1.86	1.78	1.70
80	2.40	2.32	2.24	2.16	2.08	2.00	1.92	1.84	1.76	1.68
79	2.37	2.29	2.21	2.13	2.05	1.97	1.90	1.82	1.74	1.66
78	2.34	2.26	2.18	2.11	2.03	1.95	1.87	1.79	1.72	1.64
77	2.31	2.23	2.16	2.08	2.00	1.92	1.85	1.77	1.69	1.62
76	2.28	2.20	2.13	2.05	1.98	1.90	1.82	1.75	1.67	1.60
75	2.25	2.17	2.10	2.02	1.95	1.87	1.80	1.72	1.65	1.57
74	2.22	2.15	2.07	2.00	1.92	1.85	1.78	1.70	1.63	1.55
73	2.19	2.12	2.04	1.97	1.90	1.82	1.75	1.68	1.61	1.53
72	2.16	2.09	2.02	1.94	1.87	1.80	1.73	1.66	1.58	1.51
71	2.13	2.06	1.99	1.92	1.85	1.77	1.70	1.63	1.56	1.49
70	2.10	2.03	1.96	1.89	1.82	1.75	1.68	1.61	1.54	1.47
69	2.07	2.00	1.93	1.86	1.79	1.72	1.66	1.59	1.52	1.45
68	2.04	1.97	1.90	1.84	1.77	1.70	1.63	1.56	1.50	1.43
67	2.01	1.94	1.88	1.81	1.74	1.67	1.61	1.54	1.47	1.41
66	1.98	1.91	1.85	1.78	1.72	1.65	1.58	1.52	1.45	1.39
65	1.95	1.88	1.82	1.75	1.69	1.62	1.56	1.49	1.43	1.36
64	1.92	1.86	1.79	1.73	1.66	1.60	1.54	1.47	1.41	1.34
63	1.89	1.83	1.76	1.70	1.64	1.57	1.51	1.45	1.39	1.32
62	1.86	1.80	1.74	1.67	1.61	1.55	1.49	1.43	1.36	1.30
61	1.83	1.77	1.71	1.65	1.59	1.52	1.46	1.40	1.34	1.28
60	1.80	1.74	1.68	1.62	1.56	1.50	1.44	1.38	1.32	1.26
59	1.77	1.71	1.65	1.59	1.53	1.47	1.42	1.36	1.30	1.24
58	1.74	1.68	1.62	1.57	1.51	1.45	1.39	1.33	1.28	1.22
57	1.71	1.65	1.60	1.54	1.48	1.42	1.37	1.31	1.25	1.20
56	1.68	1.62	1.57	1.51	1.46	1.40	1.34	1.29	1.23	1.18
55	1.65	1.59	1.54	1.48	1.43	1.37	1.32	1.26	1.21	1.15
54	1.62	1.57	1.51	1.46	1.40	1.35	1.30	1.24	1.19	1.13
53	1.59	1.54	1.48	1.43	1.38	1.32	1.27	1.22	1.17	1.11
52	1.56	1.51	1.46	1.40	1.35	1.30	1.25	1.20	1.14	1.09
51	1.53	1.48	1.43	1.38	1.33	1.27	1.22	1.17	1.12	1.07
50	1.50	1.45	1.40	1.35	1.30	1.25	1.20	1.15	1.10	1.05

METRIC CONVERSION TABLE

lbs	kgs	lbs	kgs	lbs	kgs
0.25	0.1	9.25	4.2	18.25	8.3
0.50	0.2	9.50	4.3	18.50	8.4
0.75	0.3	9.75	4.4	18.75	8.5
1.00	0.5	10.00	4.5	19.00	8.6
1.25	0.6	10.25	4.6	19.25	8.7
1.50	0.7	10.50	4.8	19.50	8.8
1.75	0.8	10.75	4.9	19.75	9.0
2.00	0.9	11.00	5.0	20.00	9.1
2.25	1.0	11.25	5.1	20.25	9.2
2.50	1.1	11.50	5.2	20.50	9.3
2.75	1.2	11.75	5.3	20.75	9.4
3.00	1.4	12.00	5.4	21.00	9.5
3.25	1.5	12.25	5.6	21.25	9.6
3.50	1.6	12.50	5.7	21.50	9.8
3.75	1.7	12.75	5.8	21.75	9.9
4.00	1.8	13.00	5.9	22.00	10.0
4.25	1.9	13.25	6.0	22.25	10.1
4.50	2.0	13.50	6.1	22.50	10.2
4.75	2.2	13.75	6.2	22.75	10.3
5.00	2.3	14.00	6.4	23.00	10.4
5.25	2.4	14.25	6.5	23.25	10.5
5.50	2.5	14.50	6.6	23.50	10.7
5.75	2.6	14.75	6.7	23.75	10.8
6.00	2.7	15.00	6.8	24.00	10.9
6.25	2.8	15.25	6.9	24.25	11.0
6.50	2.9	15.50	7.0	24.50	11.1
6.75	3.1	15.75	7.1	24.75	11.2
7.00	3.2	16.00	7.3	25.00	11.3
7.25	3.3	16.25	7.4	25.25	11.5
7.50	3.4	16.50	7.5	25.50	11.6
7.75	3.5	16.75	7.6	25.75	11.7
8.00	3.6	17.00	7.7	26.00	11.8
8.25	3.7	17.25	7.8	26.25	11.9
8.50	3.9	17.50	7.9	26.50	12.0
8.75	4.0	17.75	8.1	26.75	12.1
9.00	4.1	18.00	8.2	27.00	12.2