Grain weights expressed as weight per 100 grains.

|  |  |
| --- | --- |
| **Crop type** | **Weight of 100 grains (in grams)** |
| Canola | 0.4 |
| Wheat | 3.4 |
| Lentils | 3.0-5.0 |
| Safflower | 3.8 |
| Oats & triticale | 4 |
| Barley | 4.2 |
| Lupin (narrow leaf) | 16 |
| Chickpea (desi) | 18 |
| Field pea | 20 |
| Lupin (broad leaf) | 30 |
| Chickpea(kabuli) | 40 |
| Faba bean | 50 |

Methodology for estimating wheat yield

|  |  |  |  |
| --- | --- | --- | --- |
| Number of heads/pods per square meter | (A) | Example | 220 |
| Average number of grains per head/pod | (B) | Example | 24 |
| Number of grains per square metre = AxB | (C) | Example | = 220 x 24 = 5280 |
| Yield per square meter = C/100 x 3.4gms | (D) | Example | = 5280/100 x 3.4 = 179.52gms |
| Yield in t/ha = D/100 |  | Example | = 179.52/100 = 1.79t/ha |

Methodology for estimating Barley yield

|  |  |  |  |
| --- | --- | --- | --- |
| Number of heads/pods per square meter | (A) | Example | 208 |
| Average number of grains per head/pod | (B) | Example | 40 |
| Number of grains per square metre = AxB | (C) | Example | = 208 x 40 = 8320 |
| Yield per square meter = C/100 x 4.2gms | (D) | Example | = 8320/100 x 4.2 = 349.44gms |
| Yield in t/ha = D/100 |  | Example | = 349.44/100 = 3.4944t/ha |

Methodology for estimating Lupins yield

|  |  |  |  |
| --- | --- | --- | --- |
| Number of heads/pods per square meter | (A) | Example | 29 |
| Average number of grains per head/pod | (B) | Example | 18 |
| Number of grains per square metre = AxB | (C) | Example | = 29 x 18 = 522 |
| Yield per square meter = C/100 x 30gms | (D) | Example | = 522/100 x 30 = 156.6gms |
| Yield in t/ha = D/100 |  | Example | = 156.6/100 = 1.566t/ha |

Methodology for estimating Field pea yield

|  |  |  |  |
| --- | --- | --- | --- |
| Number of heads/pods per square meter | (A) | Example | 44 |
| Average number of grains per head/pod | (B) | Example | 23 |
| Number of grains per square metre = AxB | (C) | Example | = 44 x 23 = 1012 |
| Yield per square meter = C/100 x 20gms | (D) | Example | = 1012/100 x 20 = 202.4gms |
| Yield in t/ha = D/100 |  | Example | = 202.4/100 = 2.024t/ha |

Methodology for estimating Canola yield

|  |  |  |  |
| --- | --- | --- | --- |
| Number of heads/pods per square meter | (A) | Example | 0.4 |
| Average number of grains per head/pod | (B) | Example | 5 |
| Number of grains per square metre = AxB | (C) | Example | = 0.4 x 5 = 2 |
| Yield per square meter = C/100 x 20gms | (D) | Example | =2/100 x 20 = 0.4gms |
| Yield in t/ha = D/100 |  | Example | = 0.4/100 = 0.004t/ha |