**ICAR-Vivekananda Parvatiya Krishi Anusandhan Sansthan**

**Almora-263601, Uttarakhand**

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| **Lentil State Varietal Trial (*Rabi* 2014-15)** |
| Centre : ICAR-VPKAS, Hawalbagh, Almora, Uttarakhand |
| No of Entries : 13 |
| Replications : 3 |
| Design : R.B.D. |
| Date of Sowing : 12-11-2014 |
| Net plot size : 3 x 1.15 m (5 rows)FYM : 15 t/ha |

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| **S. No.** | **Entries** | **Germination %** | **Days to 50 % flowering** | **Plant height (cm)** | **No. of pods/ Plant** | **Pod length****(cm)** | **Plant stand****%** | **Days to maturity** | **100 Seed weight****(g)** | **Grain Yield / Plot (g)** | **Mean****(g)** | **Yield q/ha** | **Wilt %** |
| **R1** | **R2** | **R3** |
| 1. | LH 1001 | 92 | 105 | 52 | 65 | 1.0 | 90 | 163 | 2.17 | 220 | 360 | 250 | 276.67 | **8.02** | 9.19 |
| 2. | LH 1002 | 92 | 109 | 53 | 66 | 1.1 | 90 | 163 | 2.48 | 220 | 250 | 300 | 256.67 | **7.44** | 5.45 |
| 3. | LH 1003 | 92 | 101 | 44 | 61 | 1.1 | 88 | 161 | 1.92 | 390 | 370 | 300 | 353.33 | **10.24** | 4.92 |
| 4. | LH 1004 | 93 | 110 | 46 | 78 | 1.0 | 92 | 161 | 2.05 | 400 | 400 | 400 | 400.0 | **11.59** | 5.85 |
| 5. | LH 1005 | 92 | 105 | 51 | 83 | 1.0 | 90 | 163 | 2.30 | 400 | 400 | 360 | 386.67 | **11.21** | 3.77 |
| 6. | LH 1006 | 92 | 114 | 51 | 67 | 1.1 | 92 | 164 | 2.61 | 380 | 390 | 480 | 416.67 | **12.08** | 10.41 |
| 7. | LH 1007 | 90 | 111 | 56 | 75 | 1.1 | 88 | 163 | 2.04 | 430 | 450 | 400 | 426.67 | **12.37** | 5.37 |
| 8. | LH 1008 | 95 | 102 | 48 | 66 | 1.1 | 88 | 161 | 1.56 | 330 | 300 | 300 | 310.0 | **8.98** | 5.08 |
| 9. | LH 1009 | 90 | 100 | 49 | 62 | 1.1 | 90 | 160 | 1.89 | 400 | 400 | 400 | 400.0 | **11.59** | 4.98 |
| 10. | LH 1010 | 90 | 101 | 43 | 66 | 1.1 | 88 | 161 | 2.56 | 350 | 370 | 330 | 350.0 | **10.14** | 7.06 |
| 11. | LH 1011 | 90 | 102 | 45 | 67 | 1.1 | 90 | 162 | 1.28 | 370 | 340 | 300 | 336.67 | **9.78** | 6.53 |
| 12. | LH 1012 | 93 | 101 | 49 | 65 | 1.1 | 93 | 162 | 2.84 | 400 | 420 | 350 | 390.0 | **11.30** | 4.31 |
| 13. | LH 1013 | 92 | 100 | 50 | 66 | 1.1 | 90 | 163 | 2.28 | 330 | 300 | 250 | 293.33 | **8.50** | 4.82 |
|  | **GM =10.25****Sem = 0.615****CD at 5 % =1.79****CV % =10.39** |
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**ICAR-Vivekananda Parvatiya Krishi Anusandhan Sansthan**

**Almora-263601, Uttarakhand**

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| **Toria State Varietal Trial (*Rabi* 2014-15)** |
| Centre : ICAR-VPKAS, Hawalbagh, Almora, Uttarakhand |
| No of Entries : 7  |
| Replications : 3 |
| Design : R.B.D. |
| Date of Sowing : 20-11-2014 |
| Plot size : 3 x 1.20 m (4 rows)FYM : 30 t/ha |

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| **S. No.** | **Entries** | **Germi-nation %** | **Days to****50 % flowering** | **Plant height (cm)** | **No. of Siliqua / Plant** | **Siliqua length****(cm)** | **Plant stand****%** | **Days****to maturity** | **Grain Yield / Plot (g)** | **Mean****(g)**  | **Yield q/ha** |
| **R1** | **R2** | **R3** |
| 1. | TH 101 | 90 | 74 | 105 | 60 | 6.2 | 90 | 131 | 30 | 20 | 30 | 26.67 | **0.74** |
| 2. | TH 102 | 95 | 71 | 112 | 56 | 6.4 | 95 | 130 | 60 | 50 | 30 | 46.67 | **1.30** |
| 3. | TH 103 | 95 | 69 | 108 | 56 | 6.0 | 95 | 131 | 60 | 80 | 50 | 63.33 | **1.76** |
| 4. | TH 104 | 93 | 69 | 105 | 64 | 6.5 | 93 | 128 | 50 | 60 | 40 | 50.0 | **1.39** |
| 5. | TH 105 | 92 | 73 | 114 | 59 | 6.1 | 92 | 131 | 100 | 90 | 90 | 93.33 | **2.50** |
| 6. | TH 106 | 93 | 71 | 110 | 58 | 6.9 | 93 | 129 | 60 | 50 | 40 | 50.0 | **1.39** |
| 7. | TH 107 | 93 | 70 | 114 | 59 | 6.0 | 93 | 130 | 120 | 130 | 120 | 123.33 | **3.52** |
| **Note: The trial was adversely affected due to hail storm at maturity stage.** |  **GM =** | **1.79** |
|  |  |  |  |  |  |  |  |  |  **Sem =** | **0.140** |
|  |  |  |  |  |  |  |  |  |  **CD at 5 % =** | **0.433** |
|  |  |  |  |  |  |  |  |  |  **CV % =** | **13.53** |

**ICAR-Vivekananda Parvatiya Krishi Anusandhan Sansthan**

**Almora-263601, Uttarakhand**

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| **Field pea State Varietal Trial (*Rabi* 2014-15)** |
| Centre : ICAR-VPKAS, Hawalbagh, Almora, Uttarakhand |
| No of Entries : 10  |
| Replications : 3 |
| Design : R.B.D. |
| Date of Sowing : 20-11-2014 |
| Net plot size : 3 x 1.50 m (5 rows)FYM : 15t/ha |

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| **S. No.** | **Entries** | **Germination %** | **Days to 50 % flowering** | **Plant height (cm)** | **No. of pods/ Plant** | **Pod length****(cm)** | **Plant stand****%** | **Days to maturity** | **100 Seed weight****(g)** | **Grain Yield / Plot (g)** | **Mean****(g)** | **Yield q/ha** |
| **R1** | **R2** | **R3** |
| 1. | PH 1201 | 87 | 100 | 132 | 13 | 5.7 | 33 | 156 | 11.84 | 10 | 60 | 60 |

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| --- |
| 43.33 |

 | **0.96** |
| 2. | PH 1202 | 78 | 98 | 86 | 13 | 6.5 | - | 157 | - | - | - | - | - | **-** |
| 3. | PH 1203 | 82 | 95 | 132 | 14 | 6.5 | 20 | 156 | 14.62 | 10 | 60 | 40 | 36.67 | **0.81** |
| 4. | PH 1204 | 77 | 100 | 130 | 13 | 6.3 | 17 | 155 | 12.56 | 40 | 40 | 10 | 30.0 | **0.67** |
| 5. | PH 1205 | 77 | 97 | 81 | 12 | 6.7 | 33 | 153 | 14.44 | 100 | 30 | 30 | 53.33 | **1.18** |
| 6. | PH 1206 | 77 | 97 | 86 | 12 | 6.4 | 30 | 154 | 15.67 | 60 | 60 | 60 | 60.0 | **1.18** |
| 7. | PH 1207 | 85 | 97 | 134 | 14 | 6.7 | 40 | 156 | 14.30 | 100 | 100 | 100 |

|  |
| --- |
| 100.0 |

 | **1.92** |
| 8. | PH 1208 | 85 | 105 | 76 | 13 | 6.0 | 40 | 155 | 12.39 | 100 | 100 | 100 | 100.0 | **1.92** |
| 9. | PH 1209 | 80 | 96 | 132 | 14 | 6.3 | 27 | 155 | 12.82 | 10 | 50 | 50 | 36.67 | **0.52** |
| 10. | PH 1210 | 72 | 98 | 81 | 12 | 6.7 | 17 | 154 | 14.22 | 20 | 20 | 20 | 20.0 | **0.59** |
| **Note: The trial was damaged by wild animals and adversely affected due to hail storm at maturity stage.**  |
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