**ICAR-Vivekananda Parvatiya Krishi Anusandhan Sansthan**

**Almora-263601, Uttarakhand**

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| **Lentil State Varietal Trial (*Rabi* 2015-16)** |
| Centre : ICAR-VPKAS, Hawalbagh, Almora, Uttarakhand |
| No of Entries : 11 |
| Replications : 3 |
| Design : R.B.D. |
| Date of Sowing : 09-11-2015 |
| Net plot size : 3 x 1.15 m (5 rows)  FYM : 15 t/ha |

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| **S. No.** | **Entries** | **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 %** | **Insect**  **incidence** |
| **R1** | **R2** | **R3** |
| **1.** | **LH-1301** | 108 | 47 | 77 | 1.17 | 92 | 155 | 2.30 | 520 | 440 | 460 | 473 | **13.72** | 12.5(MS) | Very less/ negligible incidence of aphid was observed in lentil entries. |
| **2.** | **LH-1302** | 107 | 40 | 72 | 1.23 | 92 | 153 | 2.05 | 480 | 450 | 420 | 450 | **13.04** | 14.8(MS) |
| **3.** | **LH-1303** | 109 | 42 | 75 | 1.17 | 95 | 154 | 2.29 | 620 | 460 | 460 | 513 | **14.88** | 11.9(MS) |
| **4.** | **LH-1304** | 110 | 40 | 60 | 1.17 | 90 | 153 | 2.47 | 430 | 290 | 250 | 323 | **9.37** | 11.8(MS) |
| **5.** | **LH-1305** | 106 | 34 | 67 | 1.20 | 90 | 153 | 1.76 | 450 | 280 | 450 | 393 | **11.40** | 11.2(MS) |
| **6.** | **LH-1306** | 110 | 36 | 65 | 1.20 | 92 | 154 | 1.66 | 520 | 340 | 300 | 387 | **11.21** | 12.5(MS) |
| **7.** | **LH-1307** | 109 | 41 | 63 | 1.17 | 92 | 153 | 2.60 | 420 | 360 | 410 | 397 | **11.50** | 13.4(MS) |
| **8.** | **LH-1308** | 104 | 35 | 60 | 1.30 | 90 | 153 | 2.81 | 400 | 310 | 420 | 377 | **10.92** | 10.2(MS) |
| **9.** | **LH-1309** | 106 | 40 | 73 | 1.23 | 90 | 155 | 2.45 | 400 | 450 | 480 | 443 | **12.85** | 17.6(MS) |
| **10.** | **LH-1310** | 105 | 38 | 66 | 1.23 | 87 | 153 | 2.38 | 450 | 200 | 400 | 350 | **10.14** | 10.3(MS) |
| **11.** | **LH-1311** | 105 | 37 | 67 | 1.17 | 92 | 153 | 2.85 | 580 | 300 | 390 | 423 | **12.27** | 9.3(MR) |
|  |  |  |  |  |  |  |  |  |  | | | **GM=11.90**  **CD at 5%=3.23**  **CV%=15.93** | | |  |
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**ICAR-Vivekananda Parvatiya Krishi Anusandhan Sansthan**

**Almora-263601, Uttarakhand**

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| **Field pea State Varietal Trial (*Rabi* 2015-16)** |
| Centre : ICAR-VPKAS, Hawalbagh, Almora, Uttarakhand |
| No of Entries : 10 |
| Replications : 3 |
| Design : R.B.D. |
| Date of Sowing :09-11-2015 |
| Net plot size : 3 x 1.50 m (5 rows)  FYM : 15t/ha |

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| **S. No.** | **Entries** | **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**  **(%)** | **Powdery**  **Mildew**  **(%)** | **Insect pest** |
| **R1** | **R2** | **R3** |
| **1.** | **PH-1501** | 104 | 76 | 15 | 5.2 | 83 | 153 | 13.80 | 430 | 430 | 400 | 420 | **9.33** | 5.0(MR) | 0.6 (R) | Very less/ negligible incidence of leaf miner and pod borer was observed in field pea entries. |
| **2.** | **PH-1502** | 106 | 82 | 17 | 5.7 | 85 | 155 | 11.11 | 450 | 460 | 370 | 427 | **9.48** | 4.9(MR) | 2.0(MR) |
| **3.** | **PH-1503** | 113 | 73 | 16 | 5.5 | 87 | 154 | 11.62 | 540 | 390 | 500 | 477 | **10.59** | 5.8(MR) | 0.0(HR) |
| **4.** | **PH-1504** | 111 | 85 | 12 | 6.0 | 75 | 155 | 15.12 | 400 | 350 | 290 | 347 | **7.70** | 5.8(MR) | 0.6(R) |
| **5.** | **PH-1505** | 114 | 82 | 11 | 6.0 | 70 | 154 | 14.29 | 350 | 300 | 240 | 297 | **6.59** | 3.6(MR) | 1.6(MR) |
| **6.** | **PH-1506** | 104 | 55 | 15 | 5.3 | 85 | 154 | 12.80 | 310 | 280 | 290 | 293 | **9.45** | 4.5(MR) | 0.0(HR) |
| **7.** | **PH-1507** | 111 | 75 | 11 | 5.4 | 75 | 154 | 13.22 | 350 | 310 | 360 | 340 | **7.56** | 4.2(MR) | 2.3(MR) |
| **8.** | **PH-1508** | 112 | 48 | 13 | 5.1 | 78 | 156 | 11.91 | 330 | 360 | 280 | 323 | **7.19** | 4.2(MR) | 0.6(R) |
| **9.** | **PH-1509** | 110 | 55 | 12 | 5.7 | 75 | 156 | 12.94 | 390 | 350 | 300 | 347 | **7.70** | 7.0(MR) | 1.6(MR) |
| **10.** | **PH-1510** | 111 | 73 | 16 | 5.7 | 80 | 157 | 13.10 | 500 | 390 | 460 | 450 | **10.00** | 4.8(MR) | 2.0(MR) |
|  |  |  |  |  |  |  |  |  | **GM=8.25**  **CD at 5%=1.49**  **CV%=10.57** | | | | |  |  |  |

**ICAR-Vivekananda Parvatiya Krishi Anusandhan Sansthan**

**Almora-263601, Uttarakhand**

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| **Toria State Varietal Trial (*Rabi* 2015-16)** |
| Centre : ICAR-VPKAS, Hawalbagh, Almora, Uttarakhand |
| No of Entries : 6 |
| Replications : 3 |
| Design : R.B.D. |
| Date of Sowing :09-11-2015 |
| Net plot size : 3 x 1.50 m (5 rows)  FYM : 15t/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 300 | **The trial was failed due to poor plant stand and aphid infestation.** | | | | | | | | | | | |
| 2. | TH 301 |
| 3. | TH 302 |
| 4. | TH 303 |
| 5. | TH304 |
| 6. | TH 305 |
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