**Supplementary table 1. Resistance sources reported in *Brassica* species and its utilization for management of Alternaria blight**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Name of the host plant** | **Source of resistance in the germplasm** | **Mechanism of resistance** | **Extent of resistance offered to *A. brassicae*\*** | **References** |
| 1. | *Brassica. juncea* | Divya  RC781  exotic *B. juncea* strains, EC-399296, EC- 399299, EC-399301 and EC-399313  Kranti, PR 8988 and PR 9024 | Unknown  Unknown  Unknown  Unknown | Mild  Mild  Mild  low | Kolte *et al.*, 2000;  Tripathi *et al*., 1980  Kumar, 2008; Kolte *et al*., 2008 |
| 2. | *B.rapa* | *B. rapa var.* Yellow sarson, PYS6, BINA1,2  *B. rapa* rapifera | Unknown  Increased production of phytoalexins | Mild  Mild | Kolte, 1987;  Rahman *et al*.,  1987;  Conn *et al*.,  1988 |
| 3. | *B.carinata* | HC1,HC2,  EC25381, PCC2 | High level of cuticular wax | High  Mild | Kumar and  Saharan, 2002  Bhowmik and  Munde, 1987 |
| 4. | *B. napus* | Tower, HNS3  EC-338986-2 and EC- 338996-1; EC 339000 and EC 338997  GS-05-1 | High level of cuticular wax | High  High  High | Tiwari,1986  Kumar and Kumar, 1989  Kolte *et al*, 2008  AICRP, 2011  Kumar *et al*., 2014 |
| 5. | *Sinapis alba* | - | High level of cuticular wax  Detoxification of phytotoxin  Increased production of phytoalexin | High | Hansen and Earle, 1997 |
| 6. | *Camelina sativa* | - | High deposits of epicuticular wax  Increased production of phytoalexins i.e Camalexins | High | Tewari and Conn,1993; Browne *et al*.,1999 |
| 7. | *Capsella bursa-pastoris* | - | High deposits of epicuticular wax  Increased production of phytoalexins | High | Tewari and Conn,1993 |
| 8. | *Crantz* | - | High deposits of epicuticular wax  Increased production of phytoalexins | High | Tewari and Conn,1993 |
| 9. | *Neslia paniculata* | - | High deposits of epicuticular wax  Increased production of phytoalexins | High | Tewari and Conn,1993 |
| 10. | *Taramira* | - | High deposits of epicuticular wax  Increased production of phytoalexins | High | Tewari and Conn,1993 |
| 11. | *B. maurorum* | - | High deposits of epicuticular wax  Increased production of phytoalexins | High | Chrungu *et al.*,  1999 |
| 12. | *B. desnottesii* | - | High deposits of epicuticular wax  Increased production of phytoalexins | High | Sharma *et al*.,  2002 |
| 13. | *Coincya pseuderucastrum* | - | High deposits of epicuticular wax  Increased production of phytoalexins | High | Sharma *et al*.,  2002 |
| 14. | *Diplotaxis berthautii* | - | High deposits of epicuticular wax  Increased production of phytoalexins | High | Sharma *et al*.,  2002 |
| 15. | *D. catholica* | - | High deposits of epicuticular wax  Increased production of phytoalexins | High | Sharma *et al*.,  2002 |
| 16. | *D. cretacea* | - | High deposits of epicuticular wax  Increased production of phytoalexins | High | Sharma *et al*.,  2002 |
| 17. | *D. erucoides* | - | High deposits of epicuticular wax  Increased production of phytoalexins | High | Sharma *et al.,*  2002 |
| 18. | *Erucastrum gallicum* | - | High deposits of epicuticular wax  Increased production of phytoalexins | High | Sma et al., 20 Sharma *et al*.,  2002 |

\*This information is based on the results obtained from experiments on testing the response of *A. brassicae* towards above mentioned host plant species.

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