**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* | DivyaRC781exotic *B. juncea* strains, EC-399296, EC- 399299, EC-399301 and EC-399313Kranti, PR 8988 and PR 9024 | UnknownUnknownUnknownUnknown | MildMildMildlow | Kolte *et al.*, 2000; Tripathi *et al*., 1980Kumar, 2008; Kolte *et al*., 2008 |
| 2. | *B.rapa* | *B. rapa var.* Yellow sarson, PYS6, BINA1,2*B. rapa* rapifera | UnknownIncreased production of phytoalexins | MildMild | Kolte, 1987; Rahman *et al*.,1987;Conn *et al*.,1988 |
| 3. | *B.carinata* | HC1,HC2,EC25381, PCC2 | High level of cuticular wax | HighMild | Kumar and Saharan, 2002Bhowmik and Munde, 1987 |
| 4. | *B. napus* | Tower, HNS3EC-338986-2 and EC- 338996-1; EC 339000 and EC 338997GS-05-1 | High level of cuticular wax | HighHighHigh | Tiwari,1986Kumar and Kumar, 1989Kolte *et al*, 2008AICRP, 2011Kumar *et al*., 2014 |
| 5. | *Sinapis alba* |  - | High level of cuticular waxDetoxification of phytotoxinIncreased production of phytoalexin | High | Hansen and Earle, 1997 |
| 6. | *Camelina sativa* |  - | High deposits of epicuticular waxIncreased production of phytoalexins i.e Camalexins | High | Tewari and Conn,1993; Browne *et al*.,1999 |
| 7. | *Capsella bursa-pastoris* |  - | High deposits of epicuticular waxIncreased production of phytoalexins | High | Tewari and Conn,1993 |
| 8. | *Crantz* |  - | High deposits of epicuticular waxIncreased production of phytoalexins | High | Tewari and Conn,1993 |
| 9. | *Neslia paniculata* |  - | High deposits of epicuticular waxIncreased production of phytoalexins | High | Tewari and Conn,1993 |
| 10. | *Taramira* |  - | High deposits of epicuticular waxIncreased production of phytoalexins | High | Tewari and Conn,1993 |
| 11. | *B. maurorum* |  - | High deposits of epicuticular waxIncreased production of phytoalexins | High | Chrungu *et al.*, 1999 |
| 12. | *B. desnottesii* |  - | High deposits of epicuticular waxIncreased production of phytoalexins | High | Sharma *et al*., 2002 |
| 13. | *Coincya pseuderucastrum* |  - | High deposits of epicuticular waxIncreased production of phytoalexins | High | Sharma *et al*., 2002 |
| 14. | *Diplotaxis berthautii* |  - | High deposits of epicuticular waxIncreased production of phytoalexins | High | Sharma *et al*., 2002 |
| 15. | *D. catholica* |  - | High deposits of epicuticular waxIncreased production of phytoalexins | High | Sharma *et al*., 2002 |
| 16. | *D. cretacea* |  - | High deposits of epicuticular waxIncreased production of phytoalexins | High | Sharma *et al*., 2002 |
| 17. | *D. erucoides* |  - | High deposits of epicuticular waxIncreased production of phytoalexins | High | Sharma *et al.,* 2002 |
| 18. | *Erucastrum gallicum* |  - | High deposits of epicuticular waxIncreased 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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