

Table 3 Genotypic path matrix of seed yield in recombinant lines (F₃) of Gulyal white×Maruti cross in pegionpea

	Days to 50% flowering	Days of maturity	Plant height (cm)	No of primary branches	No of secondary branches	No. of seeds/ pod	No. of seeds/ plant	No of pods/ plant	Pod bearing length (cm)	Test weight (gm)	Corr. seed yield/ plant
Days to 50% flowering	0.2884	0.1932	0.1568	-0.1006	-0.291	-0.1616	-0.1908	0.2569	0.0474	-0.2614	-0.062
Days of maturity	0.0454	0.2432	0.0605	-0.1543	0.0519	0.1525	-0.1453	0.1515	-0.1767	0.0768	0.3055**
Plant height (cm)	0.0388	0.0328	0.2875	0.0251	0.0424	0.0435	0.0525	0.0597	0.0361	-0.2512	0.3672**
No of primary branches	-0.1217	-0.125	0.2108	0.2363	0.1999	-0.0708	-0.1356	-0.1012	-0.1476	-0.0694	-0.1243
No of secondary branches	-0.1798	0.0587	0.0684	0.0284	0.2638	0.0861	0.0638	0.1465	-0.1156	0.1233	0.5436**
No. of seeds/pod	-0.1715	0.0546	0.0667	-0.1724	0.1871	0.1681	0.1675	0.1645	-0.1658	0.0851	0.3839**
No. of seeds/plant	-0.1557	-0.1468	0.0839	-0.0621	0.1376	0.1515	0.3791	0.1746	-0.1712	0.1667	0.5576**
No of pods/plant	0.0126	0.0862	0.0268	-0.1765	0.0678	0.0456	0.0828	0.4129	-0.0644	0.1764	0.6702**
Pod bearing length (cm)	-0.1875	-0.1952	0.2435	-0.1853	-0.0149	0.2779	-0.0544	-0.1837	0.2573	-0.0546	-0.0969
Test weight (gm)	-0.2386	0.1299	-0.2375	-0.1654	0.2423	0.2159	0.2554	0.2652	-0.2194	0.3968	0.6446**

Note: Residual effect=0.2963