

Figure S1. The interaction plots for the effects of decoyinine (DCY) treatment and rice variety on the biological parameters of BPH. A, 1st instar; B, 2nd instar; C, 3rd instar; D, 4th instar; E, 5th instar; F, total nymphal duration of males; G, total nymphal duration of females; H, male longevity; I, female longevity; J, pre-oviposition period; K, oviposition period; L, fecundity; M, egg duration.

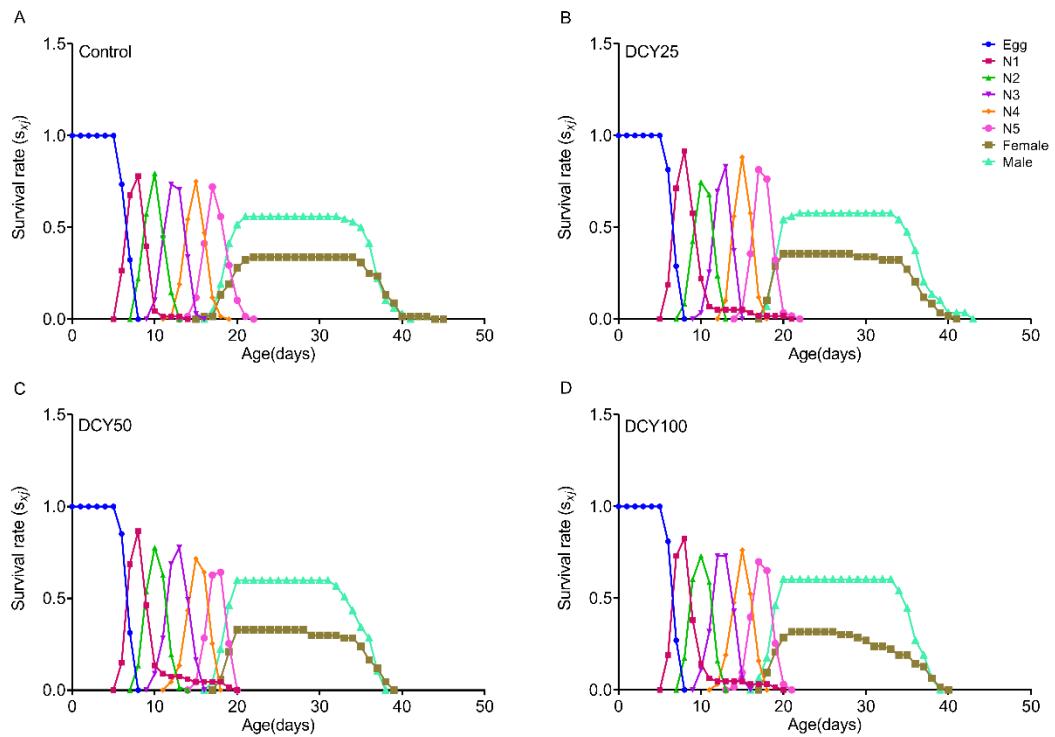


Figure S2. Age-stage specific survival rate (S_{xj}) of BPH fed on DCY-pretreated Liangyou566 rice plants.

A, Control; B, DCY25; C, DCY50; D, DCY100.

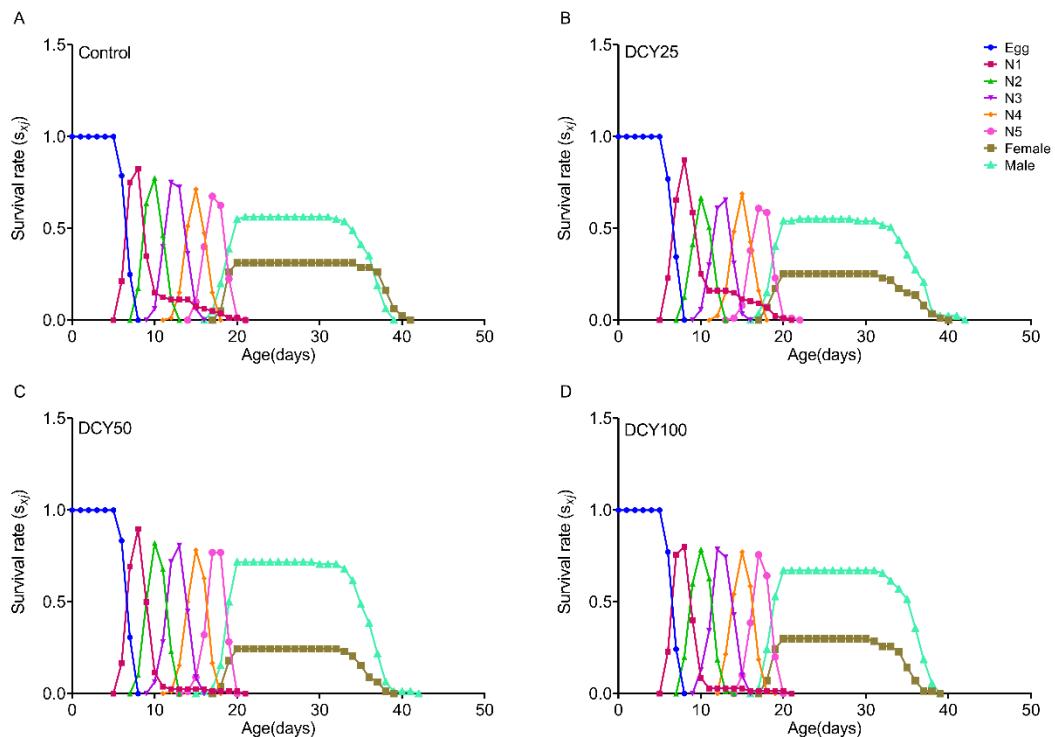


Figure S3. Age-stage specific survival rate (S_{xj}) of BPH fed on DCY-pretreated Nanjing9108 rice plants.

A, Control; B, DCY25; C, DCY50; D, DCY100.

Table S1. The statistical results of the weight of BPH female adults.

		n (Control)	n (DCY100)	df	t	p
Liangyou566	1d	30	30	58	6.635	<0.0001
	3d	30	30	58	10.52	<0.0001
	5d	30	30	58	11.35	<0.0001
	7d	25	21	44	8.573	<0.0001
Nanjing9108	1d	30	30	58	6.170	<0.0001
	3d	30	30	58	9.481	<0.0001
	5d	30	30	58	9.768	<0.0001
	7d	27	24	49	10.22	<0.0001

Table S2. The statistical results of the feeding preference of the gravid BPH female adults.

	Time point	p
Liangyou566	2h	0.500
	4h	0.175
	8h	0.041
	12h	0.002
	24h	<0.001
	48h	<0.001
Nanjing9108	2h	0.017
	4h	0.002
	8h	<0.001
	12h	<0.001
	24h	<0.001
	48h	<0.001