

Table S1: Analysis of the wormhole number and length in pods of three maturity types of yardlong bean varieties.

Maturity types	Wormhole number			Wormhole length		
	Maximum	Minim	Mean	Maximum/cm	Minim/cm	Mean/cm
Early	10	0	2.48	4.0	0.4	1.34
Medium	7	0	3.13	3.7	0.4	1.42
Late	5	0	1.21	4.1	0.2	1.31

Table S2: Sixty-four yardlong bean varieties screened by evaluation of newly hatched larvae and 4th instar larvae weight increase.

Variety	Origin	4th LW/g	LW9/g
Fudingchangjiangdou	Fuding, Fujian	0.438	0.085
Yixujiangdou	Fuzhou, Fujian	0.265	0.032
Jianglechangjiangdou	Jiangle, Fujian	0.055	0.041
Lianchengqingkuaijiangdou	Liancheng, Fujian	0.636	0.063
Changtingbaopihongjiangdou	Changting, Fujian	0.497	0.125
Hongrenfendou	Chenghai, Guangdong	0.480	0.068
Zhuzaidou	Guangzhou, Guangdong	0.297	0.203
Luoqundai	Guangzhou, Guangdong	0.448	0.044
Erlubai	Guangzhou, Guangdong	0.245	0.066
Suijiao101	Guangzhou, Guangdong	0.301	0.066
Qingpibai	Taishan, Guangdong	0.335	0.072
Shanghaibaidoujiao	Shanghai	0.147	0.041
Baijiangdou	Danzhai, Guizhou	0.067	0.016
Damijiang	Shuicheng, Guizhou	0.226	0.032
Qingjiangdou	Sinan, Guizhou	0.246	0.033
Caidoujiao	Wuqiao, Hebei	0.207	0.127
Changcaidou	Zanhuang, Hebei	0.067	0.033
Xinxiangchangdoujiao	Xinxiang, Henan	0.067	.
Heizijiangdou	Zhaodong, Heilongjiang	0.054	0.042
Jiangdou No.5	Wuhan, Hubei	0.031	0.033
Chunqihongzipijiangdou	Wuhan, Hubei	0.057	0.048
Zhijianggezao No.30	Wuhan, Hubei	0.017	0.019
Lvlingjiaolong	Nanjing, Jiangsu	0.339	0.026
Youxuanchangdoujiao28-2	Nanjing, Jiangsu	0.379	0.053
SS-97	Nanjing, Jiangsu	0.095	0.027
Suzi41	Nanjing, Jiangsu	0.051	0.034
Suijiang1419	Nanjing, Jiangsu	0.033	0.034
j-3	Nanjing, Jiangsu	0.079	0.059
j-4	Nanjing, Jiangsu	0.118	0.058
j-5	Nanjing, Jiangsu	0.057	0.025
Suijiang52	Nanjing, Jiangsu	0.204	0.008
Suijiang11	Nanjing, Jiangsu	0.446	0.020
Suijiang12	Nanjing, Jiangsu	0.083	0.017
Zhuweuijiang	Yancheng, Jiangsu	0.317	0.019
Dabaitiaojiangdou	Shenyang, Liaoning	0.077	0.015
Duanbaitiaojiangdou	Shenyang, Liaoning	0.407	0.009
Yinchuandijiangdou	Yinchuan, Ningxia	0.311	0.024
Qiuzijiang	Xian, Shanxi	0.385	0.019
Baipangzijiangdou	Chengdu, Sichuan	0.597	0.047
Yidianhong	Shanghai	0.614	0.014
Hongzuiyan	Chengdu, Sichuan	0.360	0.017
Paojiangdou-1	Yaan, Sichuan	0.160	0.035
Paojiangdou-2	Yaan, Sichuan	0.069	0.012
Gaochan No.4	Shantou, Guangdong	0.090	0.013
Zhenjiang No.1	Zhenjiang, Jiangsu	0.234	0.029
Qingtiaojiangdou	Wuxian, Xinjiang	0.205	0.024
Laohualianpo	Guangdong	0.122	0.012
Pingtangjiangdou	Guizhou	0.047	0.027
Qingjiang80	Dingzhou, Hebei	0.116	0.028
Zijiangdou	Dingzhou, Hebei	0.400	0.043
156Fanjiang	Wuhan, Hubei	0.299	0.097
HC-1-63-5-1	Wuhan, Hubei	0.108	0.022
Techangjiangdou201	Wuhan, Hubei	0.229	0.051
Yandaijiang	Baoshan, Shanghai	0.106	0.019
Suijiang No.3	Jiangsu Academy of Agricultural Sciences	0.141	0.017
j-1	Jiangsu Academy of Agricultural Sciences	0.091	0.015
Feicui	Guangdong Academy of Agricultural Sciences	0.089	0.034
Suijiang No.1	Jiangsu Academy of Agricultural Sciences	0.094	0.023
Baipadou	Kuancheng, Hebei	0.101	0.021
Jiangdou2045	Wuhan, Hubei	0.083	0.025
JDMS009	Wuhan, Hubei	0.697	0.034
Baichengbaijiangdou	Baicheng, Jiling	0.116	0.044
Jijiang No.1	Baicheng, Jiling	0.081	0.040
Fanjiang	Jinshan, Shanghai	0.150	0.024

4th LW means the 72 h fresh weight increase of the 4th instar larvae. LW9 means the nine-day-old larval weight.

Table S3: The joint ANOVA of the number of common cutworms on different organs and varieties at different observation times.

Source of Variation	DF	SS	MS	F	<i>p</i> (>F)
Variety	3	0.58	0.19	0.15	0.9281
Organ	2	520.17	260.08	203.54	<.0001
Time	2	0.80	0.40	0.31	0.7343
Variety×Organ	6	11.17	1.86	1.46	0.2001
Variety×Time	6	0.88	0.15	0.11	0.9946
Organ×Time	4	1.42	0.35	0.28	0.8922
Variety×Organ×Time	12	12.75	1.06	0.83	0.6179
Error	108	138.00	1.28		

DF: degree of freedom; SS: sum of squares; MS: mean square; F: F value. *p*: *p* value.