

Appendix A Correlation analysis of the growth period between the Northeast spring-sown soybean lines in China

	2008 Neimenggu	2008 Heilongjiang	2008 Jilin	2009 Neimenggu	2009 Heilongjiang	2009 Jilin	2010 Neimenggu	2010 Heilongjiang
2008 Neimenggu	1							
2008 Heilongjiang	0.95**	1						
2008 Jilin	0.92**	0.92**	1					
2009 Neimenggu	0.96**	0.93**	0.91**	1				
2009 Heilongjiang	0.94**	0.96**	0.89**	0.92**	1			
2009 Jilin	0.87**	0.83**	0.86**	0.86**	0.87**	1		
2010 Neimenggu	0.91**	0.90**	0.88**	0.89**	0.90**	0.84**	1	
2010 Heilongjiang	0.94**	0.96**	0.87**	0.93**	0.95**	0.84**	0.92**	1
2010 Jilin	0.89**	0.85**	0.88**	0.89**	0.89**	0.99**	0.86**	0.86**

**Correlation is significant at the 0.01 level (2-tailed)

Appendix B Correlation analysis of the growth period between the Huanghuai summer-sown soybean lines in China

	2008 Hebei	2009 Hebei	2010 Hebei	2008 Shandong	2009 Shandong	2010 Shandong	2008 Henan	2009 Henan	2010 Henan
2008 Hebei	1								
2009 Hebei	0.70**	1							
2010 Hebei	0.72**	0.60**	1						
2008 Shandong	0.81**	0.73**	0.68**	1					
2009 Shandong	0.81**	0.70**	0.66**	0.86**	1				
2010 Shandong	0.84**	0.74**	0.69**	0.87**	0.87**	1			
2008 Henan	0.78**	0.68**	0.62**	0.79**	0.79**	0.81**	1		
2009 Henan	0.68**	0.70**	0.55**	0.75**	0.71**	0.77**	0.69**	1	
2010 Henan	0.61**	0.48**	0.48**	0.65**	0.68**	0.58**	0.58**	0.57**	1

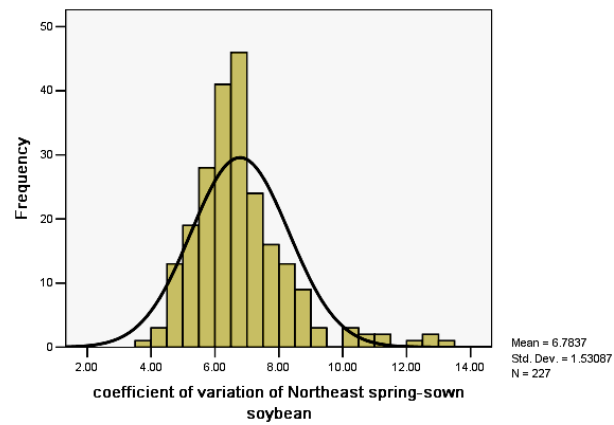
**Correlation is significant at the 0.01 level (2-tailed)

Appendix C Correlation analysis of the growth period between the Southern autumn-sown soybean lines in China

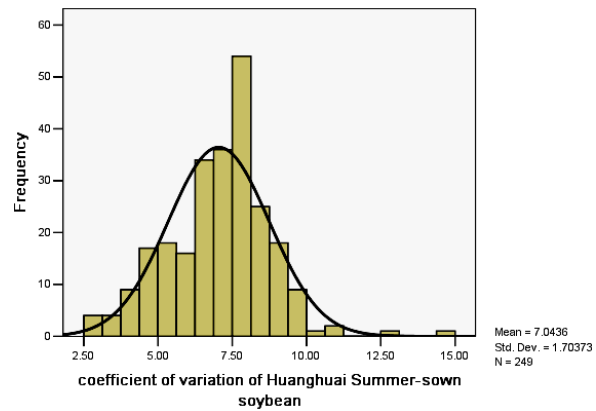
	08Jiangxi	09Jiangxi	10Jiangxi	08Guangxi	10Guangxi
08Jiangxi	1				

09Jiangxi	0.74**	1			
10Jiangxi	0.79**	0.62**	1		
08Guangxi	0.82**	0.69**	0.68**	1	
10Guangxi	0.79**	0.58**	0.71**	0.70**	1

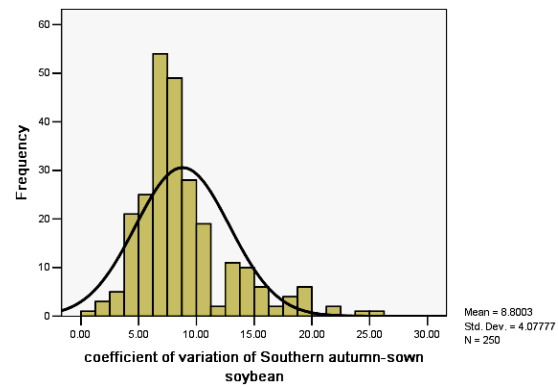
**Correlation is significant at the 0.01 level (2-tailed)



Appendix D Frequency distribution of coefficient of variation for growth period of northeast spring-sown soybean.



Appendix E Frequency distribution of coefficient of variation for growth period of Huanghuai summer-sown soybean.



Appendix F Frequency distribution of coefficient of variation for growth period of southern autumn-sown soybean.

Appendix G Early maturity and stability of varieties in Huanghuai region of China

Name	Average	CV	Name	Average	CV
Zhongdou 36	88.78	4.77	L67-949	95.07	4.39
Huangdou <2>	90.56	2.98	L66-721	95.11	4.63

Xiaohuangdou	90.70	4.04	Ludou 4	95.33	2.97
L77-1727	92.56	4.95	Zhongdou 28	96.00	2.66
Datunxiaohaidou	93.70	4.71	Jidou 7	96.41	3.91
L64-4103	94.15	3.94	8588	96.52	4.92
L73-67	94.67	4.75	L73-54	96.56	4.61
L67-1695	94.74	3.92	Zhognhuang 10	96.67	4.18
L72-1078	94.89	3.39	Newton	97.30	4.35
L68-582	94.89	3.71	Zaoshu 6	97.30	4.92
L62-956	94.89	4.90	HP202	98.22	3.99
L62-906	94.96	4.88	L84-307	98.74	3.54
