

Supplementary Table 1. FHB indices of sampling sites in southern Korea

Location			Host	FHB index		
Province	City/Town	Village		Infected spikes (%)	Infected grains (%)	
JB	Iksan	Chunpo	Wheat	10.5	8.5	
		Chunpo	Wheat	8.6	8.3	
		Chunpo	Wheat	7.6	5.9	
		Chunpo	Barley	4.3	5.2	
		Chunpo	Barley	3.8	3.3	
		Osan	Barley	1.8	4.5	
		Osan	Barley	2.5	4.1	
		Osan	Wheat	1.8	5.7	
	Gunsan	Daeya	Barley	4.3	12.6	
		Daeya	Barley	6	4.6	
		Daeya	Barley	5.1	6.1	
		Hoehyeon	Wheat	0.4	4.2	
		Hoehyeon	Barley	3	4.2	
		Hoehyeon	Barley	0.8	1.6	
		Gimje	Cheongha	Barley	3.2	3.9
			Cheongha	Barley	6.8	4.2
	Seongdeok		Wheat	2	4.8	
	Seongdeok		Barley	0.4	0.4	
	Seongdeok		Barley	1.7	2.2	
	Juksan		Wheat	0.7	3.6	
	Juksan		Wheat	1.8	4.4	
	Buan		Dongjin	Wheat	0.7	5.3
		Dongjin	Barley	0.7	2.9	
		Dongjin	Barley	2.3	4.1	
		Haengan	Wheat	1.6	17.7	
		Haengan	Barley	5.5	3.2	
		Sangseo	Wheat	2.1	6.5	
		Sangseo	Barley	2	2.1	
		JB average		Wheat	3.4	6.8
			Barley	3.2	4.1	
JN	Yeongam	Haksan	Wheat	9	9.6	
		Haksan	Wheat	14.5	21.8	
	Haenam	Gyegok	Wheat	14.9	9.7	
		Gyegok	Wheat	7.2	9.2	
		Gyegok	Wheat	4.8	10.5	
		Okcheon	Barley	10.6	13.4	
		Okcheon	Barley	13.7	11	
		Okcheon	Barley	15.9	9.6	
	Bukpyeong	Bukpyeong	Wheat	2.6	6.8	
		Bukpyeong	Wheat	0.5	4.2	
Gangjin	Doam	Barley	5.4	6.7		

(Continued)

Supplementary Table 1. Continued

Location			Host	FHB index	
Province	City/Town	Village		Infected spikes (%)	Infected grains (%)
		Doam	Barley	4.8	5.3
		Gudong	Barley	3.4	10
		Gudong	Barley	5.3	2.5
		Gudong	Barley	8.2	5.8
		Gudong	Barley	8.1	12.7
	Jangheung	Jangheung	Wheat	7.7	10.8
		Jangheung	Wheat	5	8.1
		Jangheung	Wheat	5	11
	Boseong	Deungnyang	Barley	4.4	4.5
		Deungnyang	Barley	4.5	4
		Deungnyang	Barley	7.1	3.7
		Joseong	Wheat	2	6.3
		Joseong	Barley	1.7	2.2
		Joseong	Wheat	2.7	6.3
JN average			Wheat	6.3	9.5
			Barley	7.2	7.0
GB	Daegu	Hyeonpung	Barley	8.4	7.6
		Hyeonpung	Barley	4.7	3.6
		Hyeonpung	Barley	5.2	3.8
	Gyeongju	Geoncheon	Barley	0.5	1.5
		Geoncheon	Barley	0	1.5
		Geoncheon	Barley	0	0
		Cheonbuk	Barley	0.7	1.7
		Cheonbuk	Barley	0	2.4
		Cheonbuk	Barley	2.3	3.2
	Yeongdeok	Yeonghae	Barley	2.2	2.8
		Yeonghae	Barley	2	2.7
		Yeonghae	Barley	4.5	2
		Byeonggok	Barley	5.3	2.8
		Byeonggok	Barley	2.4	2.5
		Byeonggok	Barley	0	0
GB average			Wheat	-	-
			Barley	2.5	2.5
GN	Goseong	Sangni	Barley	9.2	8.1
		Sangni	Barley	5.1	10.9
		Sangni	Barley	11.2	8.7
		Hail	Barley	6.4	3.2
		Hail	Barley	5.9	4.4
		Hail	Barley	5.7	4.2
	Sacheon	Yonghyeon	Barley	6.3	4.6
		Yonghyeon	Wheat	3.7	15.2

(Continued)

Supplementary Table 1. Continued

Province	Location		Host	FHB index	
	City/Town	Village		Infected spikes (%)	Infected grains (%)
		Yonghyeon	Wheat	3	6.5
		Sanam	Wheat	1.8	5.3
		Sanam	Wheat	2.4	12.4
		Sanam	Wheat	2.7	4.3
	Jinju	Jinseong	Barley	11.7	6.6
		Jinseong	Barley	6.6	8.6
		Jinseong	Barley	11.5	6.3
		Ilbanseong	Barley	9.5	3.8
		Ilbanseong	Wheat	3	7.5
		Ilbanseong	Barley	17.7	7.1
		Ibanseong	Barley	10.5	3.2
		Ibanseong	Barley	7.6	4.2
		Ibanseong	Wheat	4.4	9.9
	Uiryeong	Yongdeok	Wheat	2.6	9.4
		Yongdeok	Wheat	3.6	8.1
		Yongdeok	Wheat	2.7	10.6
		Yugok	Barley	2.3	3.9
		Yugok	Barley	1	5.4
		Yugok	Barley	1.6	3.7
		Bongsu	Barley	4	4.8
		Bongsu	Barley	1.5	2.3
		Bongsu	Wheat	3.5	5.4
	Hapcheon	Chogye	Wheat	2.7	44.1
		Chogye	Wheat	2.6	22
		Chogye	Wheat	2.2	34.2
		Jeokjung	Barley	6.8	6.7
		Jeokjung	Wheat	1.2	6.5
		Jeokjung	Wheat	0.8	4.6
		Cheongdeok	Wheat	2.3	7.1
		Cheongdeok	Wheat	2	7.9
		Cheongdeok	Wheat	1.2	6.9
	Miryang	Muan	Barley	30.6	20.8
		Muan	Barley	16.7	4.2
		Muan	Barley	6.7	5.1
		Bubuk	Barley	10.9	3.2
		Bubuk	Barley	8.7	4.3
		Bubuk	Barley	1.6	7.7
		Sangnam	Barley	12	4.8
		Sangnam	Barley	12.8	13.8
GN average			Wheat	2.6	12.0
			Barley	8.7	6.3

FHB, Fusarium head blight; JB, Jeollabuk-do; JN, Jeollanam-do; GB, Gyeongsangbuk-do; GN, Gyeongsangnam-do.