

**Table S1.** Sugarcane yellow leaf virus in varieties in primary and secondary seedcane increases at different locations and years.

Variety	Location	Stage	Year	Percent infection*
CP06-2042	A4	SI	2015	0.00
	DU	SI	2015	0.00
	EG	SI	2015	0.00
	HI	SI	2015	0.00
	OK	SI	2015	0.00
	PP	PI	2017	0.00
	SF	SI	2015	0.00
	WD	SI	2015	0.00
CP06-2964	HI	PI	2015	0.00
	TS	SI	2016	0.00
CP07-1313	HI	PI	2015	0.00
	PP	PI	2017	0.00
	TS	SI	2016	0.00
CP07-2137	PF	SI	2015	0.00
	PP	PI	2017	0.00
CP07-2320	A4	SI	2016	0.00
	EG	SI	2016	0.00
	PF	SI	2016	0.00
	PP	PI	2017	0.00
	SF	SI	2016	0.00
CP08-1110	HI	SI	2016	0.00
	PF	SI	2016	0.00
	PP	PI	2017	0.00
	TS	SI	2016	0.00
CP08-2022	A4	SI	2016	0.00
	DU	SI	2016	0.00
	EG	SI	2016	0.00
	HI	SI	2016	0.00
	PF	SI	2016	0.00
	TS	SI	2016	0.00
CP09-1098		PI	2016	0.00
	A4	PI	2016	0.00
	DU	PI	2016	0.00
	EG	PI	2016	0.00
CP09-1132	HI	PI	2016	0.00
	PF	PI	2016	0.00
	PP	PI	2017	0.00
	SF	SI	2016	0.00
		PI	2016	0.00
	TS	SI	2016	0.00
CP09-1137		PI	2016	0.00
		PI	2016	0.00
	HI	PI	2016	0.00

CP09-1236	PF	PI	2016	0.00
	TS	PI	2016	0.00
	HI	PI	2016	0.00
	PF	PI	2016	0.00
	SF	PI	2016	0.00
CP09-1385	TS	PI	2016	0.00
	EG	PI	2016	0.00
	HI	PI	2016	0.00
	KN	SI	2016	0.00
	PF	PI	2016	0.00
CP09-1390	PP	PI	2017	0.00
	SH	SI	2018	0.00
	TS	PI	2016	0.00
	A4	PI	2016	0.00
	EG	PI	2016	0.00
CP09-1430	HI	PI	2016	0.00
	KN	SI	2016	0.00
	SF	SI	2016	0.00
	TS	SI	2016	0.00
	WD	SI	2016	0.00
CP09-1512	A4	SI	2016	0.00
	DU	SI	2016	0.00
	KN	SI	2016	0.00
	SF	SI	2016	0.00
	TS	PI	2016	0.00
CP09-1807	HI	PI	2016	0.00
	PF	PI	2016	0.00
	SF	PI	2016	0.00
	TS	PI	2016	0.00
	TS	PI	2016	0.00
CP09-1822	SH	SI	2018	0.00
		PI	2016	0.00
	TS	SI	2016	0.00
		PI	2018	0.00
	HI	PI	2016	0.00
CP09-1894	PF	PI	2016	0.00
	SF	SI	2016	0.00
	TS	SI	2016	0.00
	PP	PI	2017	0.00
	SH	PI	2016	0.00
CP09-1906	PP	PI	2017	0.00
	SH	SI	2018	0.00
	TS	PI	2016	0.00
			2018	0.00
	A4	SI	2016	0.00
CP09-1952	DU	SI	2016	0.00
	EG	PI	2016	0.00
	KN	SI	2016	0.00

CP09-2002	SF	SI	2016	0.00
	TS	PI	2016	0.00
	A4	PI	2016	0.00
	DU	PI	2016	0.00
	EG	PI	2016	0.00
	OK	PI	2016	0.00
CP09-2067	SF	PI	2016	0.00
	TS	PI	2016	0.00
	WD	PI	2016	0.00
	A4	SI	2016	0.00
	DU	SI	2016	0.00
	EG	SI	2016	0.00
	HI	SI	2016	0.00
	KN	SI	2016	0.00
	OK	SI	2016	0.00
	PF	SI	2016	0.00
CP09-2392	PP	PI	2017	0.00
	TS	SI	2016	0.00
	HI	PI	2016	0.00
	PF	SI	2016	0.00
	PP	PI	2017	0.00
	SF	PI	2016	0.00
CP10-1132	TS	PI	2016	0.00
	A4	PI	2018	0.00
	HI	SI	2018	0.00
	PF	PI	2018	0.00
	PP	PI	2018	0.00
	SH	PI	2018	0.00
CP10-1134	TS	PI	2018	0.00
	HI	PI	2016	0.00
	PP	PI	2017	0.00
CP10-1177	SF	PI	2016	0.00
	TS	PI	2016	0.00
	PF	PI	2016	0.00
	PP	PI	2017	0.00
	SH	PI	2016	0.00
CP10-1189	TS	PI	2016	0.00
	PF	PI	2018	0.00
	PP	PI	2018	0.00
	SH	PI	2018	0.00
	TS	PI	2018	0.00
CP10-1208	DU	PI	2019	0.00
	HI	PI	2016	0.00
			2018	0.00
	OK	PI	2017	0.00
	PF	SI	2018	0.00
		PI	2016	0.00
	PP	PI	2017	0.00

	SF	PI	2017	0.00
	SH	SI	2018	0.00
		PI	2016	0.00
	TS	SI	2018	0.00
		PI	2016	0.00
	WD	PI	2017	0.00
CP10-1296	PP	PI	2017	0.00
CP10-1313	HI	PI	2016	0.00
	PF	PI	2016	0.00
	SF	PI	2016	0.00
	SH	PI	2016	0.00
	TS	PI	2017	0.00
CP10-1619	DU	PI	2016	0.00
	HI	PI	2016	0.00
			2018	0.00
	KN	PI	2016	0.00
	OK	PI	2016	0.00
	PF	PI	2016	0.00
			2018	0.00
	PP	PI	2017	0.00
	SF	PI	2016	0.00
	SH	SI	2018	0.00
		PI	2016	0.00
	TS	PI	2018	2.00
CP10-1620	A4	PI	2018	10.00
	HI	PI	2018	3.33
	TS	PI	2018	4.00
CP10-1716	PF	PI	2017	38.00
	PP	PI	2017	10.00
	SH	PI	2017	8.00
	TS	PI	2017	40.00
CP10-1734	HI	PI	2018	14.00
	PF	PI	2018	2.00
	PP	SI	2018	2.00
	SH	PI	2018	6.00
	TS	PI	2018	2.00
CP10-1938	HI	PI	2016	100.00
	PF	PI	2016	100.00
	PP	PI	2017	100.00
	SF	PI	2016	30.00
	SH	PI	2016	100.00
	TS	PI	2016	6.67
CP10-2002	HI	PI	2016	80.00
	PF	PI	2016	76.67
	PP	PI	2017	6.67
	SH	PI	2016	10.00
	TS	PI	2016	20.00
CP10-2149	HI	PI	2016	43.33

CP10-2195	PF	PI	2016	23.33
	PP	PI	2017	63.33
	SH	PI	2016	20.00
	A4	SI	2019	13.33
		PI	2018	6.67
	HI	PI	2018	3.33
	PF	SI	2017	3.33
	PP	SI	2017	6.00
		PI	2018	2.00
	SH	SI	2017	3.33
CP10-2413		PI	2018	10.00
	A4	PI	2018	3.33
	HI	PI	2018	10.00
	PF	PI	2018	100.00
	PP	SI	2017	26.67
		PI	2018	100.00
	SH	SI	2017	56.67
	TS	PI	2018	23.33
	A4	SI	2019	10.00
		PI	2018	6.00
CP11-1314			2019	10.00
	DU	SI	2018	2.00
			2019	2.00
	EG	SI	2019	16.67
		PI	2018	2.00
	HI	SI	2018	3.33
	KN	SI	2019	20.00
		PI	2018	96.67
	OK	SI	2017	20.00
		PI	2018	46.00
CP11-1325	PF	PI	2017	16.67
			2018	10.00
	PP	PI	2017	3.33
	SF	SI	2017	23.33
		PI	2018	33.33
	SH	SI	2017	3.33
		PI	2017	3.33
			2018	3.33
	TS	PI	2017	6.67
			2018	60.00
CP11-1325	WD	SI	2017	93.33
		PI	2018	38.00
	A4	PI	2019	86.67
	PF	PI	2017	100.00
	PP	PI	2017	83.33
	SH	PI	2017	10.00

CP11-1640	TS	PI	2017	46.67
	SH	PI	2017	6.67
CP11-1956	KN	PI	2018	20.00
	SF	SI	2017	100.00
CP11-2123		PI	2018	16.67
	TS	PI	2018	3.33
	WD	PI	2018	16.67
	A4	PI	2019	66.67
	PF	PI	2017	36.67
CP11-2248	TS	PI	2017	10.00
	A4	PI	2018	16.67
	EG	PI	2018	3.33
	OK	PI	2018	3.33
	SH	PI	2018	3.33
CP12-1417	TS	PI	2018	3.33
	WD	PI	2018	43.33
	OK	PI	2017	100.00
	SH	PI	2017	40.00
	EG	PI	2019	93.33
CP12-2035	OK	PI	2017	86.67
	SF	PI	2017	40.00
	SH	PI	2017	100.00
	EG	PI	2019	96.67
	KN	PI	2019	3.33
CP12-2213	OK	PI	2017	3.33
	SF	PI	2017	3.33
	SH	PI	2017	2.00
	A4	PI	2019	3.33
	DU	PI	2019	16.00
CP12-2441	EG	PI	2019	4.00
	KN	PI	2019	3.33
	OK	PI	2017	4.00
	SF	PI	2017	93.33
	SH	PI	2017	100.00
CP12-2479	WD	PI	2017	3.33
	SF	PI	2017	3.33
	A4	SI	2019	92.00
		PI	2018	3.33
	DU	SI	2018	6.00
CP11-1956			2019	100.00
	EG	SI	2019	23.33
		PI	2018	100.00
	KN	SI	2019	82.00
	OK	SI	2017	100.00
		PI	2018	6.67
	SH	SI	2017	100.00
		PI	2018	3.33
	WD	SI	2017	54.00

CP11-2248	A4	SI	2019	16.00
	DU	SI	2018	14.00
			2019	94.00
	EG	SI	2019	100.00
	KN	SI	2019	34.00
		PI	2018	13.33
	OK	SI	2017	50.00
	SF	SI	2017	50.00
		PI	2018	13.33
	SH	SI	2017	100.00
	WD	SI	2017	18.00
CP11-2423	PP	PI	2017	23.33
	SH	PI	2017	6.67
CP12-1417	A4	PI	2019	13.33
	DU	PI	2019	6.67
	EG	PI	2019	40.00
	KN	PI	2019	6.67
	SF	PI	2017	3.23
	WD	PI	2017	26.67
CP12-2035	A4	PI	2019	100.00
	DU	PI	2019	80.00
	KN	PI	2019	20.00
	WD	PI	2017	6.67
CP12-2213	A4	PI	2019	33.33
	DU	PI	2019	23.33
	WD	PI	2017	3.33
CP12-2479	A4	PI	2019	100.00
	DU	PI	2019	83.33
	EG	PI	2019	6.67
	KN	PI	2019	53.33
	OK	PI	2017	26.67
	SH	PI	2017	10.00
	WD	PI	2017	43.33
CP98-1968	A4	PI	2019	66.67
	PF	PI	2017	63.33
	PP	PI	2017	90.00
	SH	PI	2017	90.00
	TS	PI	2017	6.67

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Primary increase (PI); Secondary increase (SI); Locations are Area 4 (A4), Duda (DU), Eastgate (EG), Hilliard (HI), Knight (KN), Okeelanta (OK), Pahokee Produce (PP), Perry Farm (PF), Shawnee (SH), South Florida (SF), Townsite (TS), and Wedgeworth (WD).

