

## Supplementary tables

**Table S1.** Location of the weather stations used in this study and the period covered by the observation years (Figure 1).

No	Climatological station	Altitude (m)	Latitude (°)	Longitude (°)	Period
1	Acatlán	1751	19.695833	96.8438890	1979-2018
2	Actopan	250	19.502778	96.6111110	1952-2018
3	Almolonga	730	19.588333	96.7841670	1970-2012
4	Altotonga	1867	19.762500	97.2347220	1925-2018
5	Atzalan	1697	19.788889	97.2458330	1924-2018
6	Briones	1349	19.508333	96.9494440	1984-2018
7	Coscomatepec	1530	19.071667	97.0461110	1947-2008
8	El Coyotl	545	19.172222	96.6963890	1964-2009
9	Huatusco	1186	19.146667	96.9500000	1980-2018
10	Ingenio la Concepción	982	19.604722	96.8844440	1995-2018
11	Ixhuacán	1802	19.348611	97.1083330	1980-2011
12	Ixhuatlán del Café	1350	19.050000	96.9861110	1945-2012
13	Jalacingo	1880	19.806111	97.3077780	1925-2013
14	Jalcomulco	335	19.330000	96.7619440	1961-2012
15	La Concepción	1000	19.604722	96.9000000	1974-2018
16	La Joya	2175	19.610833	97.0272220	1985-2018
17	Las Vigas	2426	19.638889	97.1097220	1922-2018
18	Los Pescados	2395	19.561398	97.1480560	1964-2012
19	Martínez de la Torre	89	20.079167	97.0638890	1954-2018
20	Misantla	310	19.929167	96.8555560	1925-2018
21	Naolinco de Victoria	1542	19.651944	96.8730560	1955-2018
22	Naranjal	697	18.813889	96.9622220	1958-2011
23	Perote	2392	19.580833	97.2477780	1965-2018
24	Rancho Viejo	914	19.446944	96.7836110	1969-2018
25	Tembladeras	3102	19.512222	97.1180560	1965-2018
26	Tenampa	1015	19.251667	96.8825000	1964-2005
27	Tenochtitlán	892	19.811111	96.9166670	1999-2018
28	Teocelo	1188	19.386111	96.9736110	1944-2018
29	Totutla	1446	19.212500	96.9638890	1959-2018
30	Villa Tejeda	348	19.022222	96.6138890	1982-2018
31	Alcomunga	2485	18.430556	97.0250000	1956-2019
32	San Bernardino Lagunas	1693	18.603889	97.2725000	1955-2019
33	Telpatlán	2212	18.528056	97.1447220	1955-2019
34	Xalapa	1138	19.550000	96.8500000	1951-2018

**Table S2.** Decrease/growth of coffee productivity (Mg yr<sup>-1</sup>, CP) in each of the 63 municipalities in the central zone of the state of Veracruz, Mexico. In general, almost all municipalities present a decline in productivity except for fourteen municipalities (numbers in bold) (p<0.05 and n = 20).

No.	Municipality	CP	r <sup>2</sup>	No.	Municipality	CP	r <sup>2</sup>
1	Actopan	-41.37	0.58	33	Mixtla de Altamirano	<b>4.88</b>	0.08
2	Alto Lucero	-198.78	0.79	34	Naolinco	<b>8.03</b>	0.006
3	Altotonga	-94.99	0.15	35	Naranjal	-138.79	0.68
4	Amatlán de los Reyes	-449.29	0.83	36	Nautla	-10.78	0.53
5	Atoyac	-156.20	0.27	37	Omealca	-13.88	0.17
6	Atzalán	<b>156.85</b>	0.02	38	Paso del Macho	-32.69	0.48
7	Chiconquiaco	-9.31	0.004	39	Rafael Delgado	-6.89	0.80
8	Chocaman	-175.26	0.73	40	Sochiapa	-26.98	0.03
9	Coatepec	-932.30	0.68	41	Tatatila	-14.96	0.10
10	Coetzala	-64.40	0.64	42	Tenampa	-39.69	0.02
11	Colipa	<b>0.63</b>	0.0002	43	Tenochtitlán	<b>89.15</b>	0.36
12	Comapa	-187.41	0.23	44	Teocelo	-294.57	0.60
13	Cosautlán de Carvajal	-395.65	0.66	45	Tepatlatxco	-231.38	0.48
14	Coscomatepec	<b>1.17</b>	0.019	46	Tepetlán	-4.52	0.0043
15	Cuichapa	-26.66	0.40	47	Tequila	<b>30.6</b>	0.076
16	Córdoba	-421.93	0.78	48	Texhuacán	-0.45	0.013
17	Emiliano Zapata	-411.68	0.55	49	Tezonapa	-582.11	0.46
18	Fortín	-402.63	0.83	50	Tlacotepec de Mejía	-31.11	0.06
19	Huatusco	-502.11	0.22	51	Tlaltetela	-141.11	0.12
20	Ixhuacán de los Reyes	-68.34	0.73	52	Tlapacoyan	-142.96	0.45
21	Ixhuatlán del Café	-291.71	0.14	53	Tlilapan	-13.52	0.75
22	Ixtaczoquitlán	-360.93	0.8	54	Tomatlán	-20.42	0.05
23	Jalacingo	-11.69	0.054	55	Tonayán	-3.20	0.44
24	Jalcomulco	-27.65	0.703	56	Totutla	-190.67	0.06
25	Jilotepec	<b>31.18</b>	0.030	57	Vega de Alatorre	<b>14.18</b>	0.32
26	Juchique de Ferrer	<b>10.23</b>	0.0005	58	Xalapa	-219.77	0.73
27	Las Minas	-10.85	0.25	59	Xico	-297.74	0.45
28	Los Reyes	<b>1.74</b>	0.018	60	Yanga	-10.07	0.30
29	Magdalena	<b>1.33</b>	0.048	61	Yecuatla	-25.68	0.02
30	Martínez de la Torre	-14.02	0.539	62	Zentla	-305.43	0.30
31	Miahuatlán	-1.29	0.024	63	Zongolica	<b>80.75</b>	0.02
32	Misantla	<b>23.87</b>	0.004				