

Table S1: The sources of agricultural statistical data in all countries.

Country	Source
Afghanistan	https://invest.gov.af/
Albania	http://www.instat.gov.al/
Argentina	https://datosestimaciones.magyp.gob.ar/reportes.php?reporte=Estimaciones
Australia	https://www.agriculture.gov.au/abares
Austria	https://www.statistik.at/
Azerbaijan	https://www.stat.gov.az/source/agriculture/?lang=en
Brazil	https://www.ibge.gov.br/en/statistics/full-list-statistics.html
Belgium	https://statbel.fgov.be/de
Bulgaria	https://www.agrostat.bg/ISASPublic/Crops
China	https://www.stats.gov.cn/sj/
Croatia	https://dzs.gov.hr/
Czechia	https://www.czso.cz/csu/czso
Denmark	https://www.dst.dk/en/Statistik
Estonia	https://www.stat.ee/
Finland	www.stat.fi/index_en.html
France	https://agreste.agriculture.gouv.fr/agreste-web/accueil/
Germany	https://www.statistik-nord.de/
Greece	https://www.statistics.gr/en/home/
Hungary	https://www.ksh.hu/?lang=en
India	https://aps.dac.gov.in/APY/Public_Report1.aspx
Iran	https://irandataportal.syr.edu/socio-economic-data/statistical-yearbook
Iraq	https://cosit.gov.iq/ar/
Ireland	https://data.cso.ie/
Italy	https://www.istat.it/en/
Kyrgyzstan	http://stat.kg/en/
Latvia	https://stat.gov.lv/en
Lithuania	https://osp.stat.gov.lt/
Montenegro	www.monstat.org/eng/index.php
Morocco	https://www.hcp.ma/
Nepal	https://moald.gov.np/
Netherlands	https://www.cbs.nl/en-gb
North Macedonia	https://www.stat.gov.mk/Default_en.aspx
Norway	www.ssb.no/english/
Pakistan	https://www.pbs.gov.pk/
Poland	Statistical Office in Białystok / Publications
Portugal	www.ine.pt/xportal/xmain?xpid=INE&xpgid=ine_main
Romania	http://statistici.insse.ro:8077/tempo-online
Russia	https://rosstat.gov.ru/
Serbia	https://www.stat.gov.rs
Slovakia	https://slovak.statistics.sk/wps/portal/ext/home

Slovenia	https://www.stat.si/statweb/en/home
Spain	https://www.ine.es/en/index.htm
Sweden	www.scb.se/en/
Switzerland	https://www.bfs.admin.ch/bfs/de/home.html
Turkey	https://www.tuik.gov.tr/
Ukraine	https://statzvit.ukrstat.gov.ua/
United Kingdom	https://www.gov.uk/
United States	https://www.nass.usda.gov/
Other counties	https://www.fao.org/home/en/

Table S2: The abbreviations of countries in the study area.

Number	Country	Abbreviation
1	Afghanistan	AFG
2	Albania	ALB
3	Algeria	DZA
4	Argentina	ARG
5	Australia	AUS
6	Austria	AUT
7	Azerbaijan	AZE
8	Bangladesh	BGD
9	Brazil	BRA
10	Belarus	BLR
11	Belgium	BEL
12	Bosnia and Herzegovina	BIH
13	Bulgaria	BGR
14	China	CHN
15	Croatia	HRV
16	Czechia	CZE
17	Denmark	DNK
18	Egypt	EGY
19	Estonia	EST
20	Ethiopia	ETH
21	Finland	FIN
22	France	FRA
23	Germany	DEU
24	Greece	GRC
25	Hungary	HUN
26	India	IND
27	Iran	IRN
28	Iraq	IRQ
29	Ireland	IRL

30	Italy	ITA
31	Kyrgyzstan	KGZ
32	Latvia	LVA
33	Libya	LBY
34	Lithuania	LTU
35	Mexico	MEX
36	Moldova	MDA
37	Montenegro	MNE
38	Morocco	MAR
39	Nepal	NPL
40	Netherlands	NLD
41	North Macedonia	MKD
42	Norway	NOR
43	Pakistan	PAK
44	Paraguay	PRY
45	Poland	POL
46	Portugal	PRT
47	Romania	ROU
48	Russia	RUS
49	Serbia	SRB
50	Slovakia	SVK
51	Slovenia	SVN
52	South Africa	ZAF
53	Spain	ESP
54	Sudan	SDN
55	Sweden	SWE
56	Switzerland	CHE
57	Syrian Arab Republic	SYR
58	Tajikistan	TJK
59	Tunisia	TUN
60	Turkey	TUR
61	Turkmenistan	TKM
62	Ukraine	UKR
63	United Kingdom	UK
64	United States	US
65	Uruguay	URY
66	Uzbekistan	UZB

Table S3: The abbreviations of states (provinces) in the study area.

Country	Number	State (Province)	Abbreviation
Australia	1	New South Wales	NSW
	2	Queensland	QS
	3	South Australia	SA
	4	Tasmania	TS
	5	Victoria	VT
	6	Western Australia	WA
Brazil	7	Minas Gerais	MG
	8	Parana	PR
	9	Rio Grande do Sul	RS
	10	Santa Catarina	SC
	11	Sao Paulo	SP
China	12	Anhui	AH
	13	Gansu	GS
	14	Hebei	HB
	15	Henan	HN
	16	Hubei	HuB
	17	Jiangsu	JS
	18	Shandong	SD
	19	Shanxi	SAX
	20	Shanxi	SX
	21	Sichuan	SC
	22	Xinjiang	XJ
India	23	Bihar	BR
	24	Chhattisgarh	CT
	25	Gujarat	GJ
	26	Haryana	HR
	27	Himachal Pradesh	HP
	28	Jammu and Kashmir	JK
	29	Jharkhand	JH
	30	Karnataka	KA
	31	Madhya Pradesh	MP
	32	Maharashtra	MH
	33	Punjab	PB
	34	Rajasthan	RJ
	35	Uttar Pradesh	UP
	36	Uttarakhand	UT
	37	West Bengal	WB
The United States	38	Alabama	AL
	39	Arkansas	AR
	40	California	CA
	41	Colorado	CO

42	Delaware	DE
43	Georgia	GA
44	Idaho	ID
45	Illinois	IL
46	Indiana	IN
47	Kansas	KS
48	Kentucky	KY
49	Maryland	MD
50	Michigan	MI
51	Mississippi	MS
52	Missouri	MO
53	Montana	MT
54	Nebraska	NE
55	New Jersey	NJ
56	New Mexico	NM
57	New York	NY
58	North Carolina	NC
59	North Dakota	ND
60	Ohio	OH
61	Oklahoma	OK
62	Oregon	OR
63	Pennsylvania	PA
64	South Carolina	SC
65	South Dakota	SD
66	Tennessee	TN
67	Texas	TX
68	Utah	UT
69	Virginia	VA
70	Washington	WA
71	Wisconsin	WI
72	Wyoming	WY
