

Table S2. Primary data on productivity and its components in *Astragalus*.

Species	Life cycle	Fruits	Flowers	F/F ratio	Seeds	Ovules	S/O rate	Source (see References in the article)
<i>Astragalus cicer</i> L.	2	12.60	27.70	0.45	4.46	10.92	0.41	[36]
		–	–	0.71	–	–	0.69	[43]
		14.20	18.30	0.78	4.40	–	–	[44]
		17.51	23.70	0.80	–	–	–	[45]
		5.00	26.00	0.19	5.00	–	–	[46]
		16.31	–	–	5.95	–	–	[47]
<i>A. danicus</i> Retz.	2	7.00	13.00	0.54	2.00	–	–	[46]
		8.20	11.60	0.71	3.45	15.90	0.22	[36]
		–	–	0.63	8.91	18.11	0.49	[32]
		23.20	29.80	0.78	2.1	10.2	0.21	[48]
<i>A. arenarius</i> L.	2	2.70	6.80	0.40	3.70	16.13	0.23	[36]
		0.71	7.00	0.10	7.00	–	–	[47]
<i>A. glycyphyllos</i> L.	2	1.77	21.33	0.08	11.33	–	–	[47]
		11.30	15.20	0.74	16.48	17.93	0.92	[36]
		–	–	0.75	7.00	18.00	0.39	[49]
		9.10	12.60	0.72	8.40	10.20	0.82	[48]
		12.00	–	–	13.88	–	–	[47]
		–	–	–	3.00	14.00	0.21	[50]
<i>A. cornutus</i> Pall.	2	–	–	0.40	14.10	21.40	0.66	[51]
<i>A. falcatus</i> Lam.	2	40.00	70.00	0.57	8.50	12.90	0.66	[51]
		–	–	0.65	7.00	12.00	0.58	[49]
		29.36	–	–	8.99	–	–	[47]
		23.20	30.50	0.76	4.10	–	–	[44]
<i>A. sulcatus</i> L.	2	12.00	20.00	0.60	5.30	10.40	0.51	[51]
		–	7.40	0.04	2.00	–	–	[52]
<i>A. gorczakovskii</i> L.I.Vassiljeva	2	–	–	0.54	3.98	10.60	0.38	[51]
<i>A. onobrychis</i> L.	2	20.00	–	–	6.50	–	–	[47]
		–	–	0.68	6.42	12.80	0.50	[32]
		12.80	20.80	0.62	1.70	–	–	[44]

		15.65	24.20	0.65	–	–	–	[53]
<i>A. ponticus</i> Pall.		50.06	53.06	0.94	1.83	9.92	0.19	[54]
		52.30	54.50	0.96	1.40	13.50	0.10	[55]
	2	48.81	55.98	0.87	1.93	10.67	0.20	[56]
		66.77	79.47	0.84	1.33	13.10	0.10	[57]
		51.90	60.40	0.86	1.50	–	–	[44]
<i>A. olchonensis</i> Gontsch.	2	5.02	–	–	2.00	3.56	0.56	[58]
		13.40	22.80	0.59	2.60	6.20	0.42	[59]
<i>A. exscapus</i> L.	2	–	–	0.27	3.60	12.00	0.30	[60]
<i>A. nitidiflorus</i> Jiménez Mun. & Pau	2	3.98	21.00	0.19	11.46	16.60	0.69	[61]
<i>A. alpinus</i> L.	2	–	–	0.62	–	6.95	0.20	[62]
<i>A. ampullarioides</i> (S.L.Welsh)	2	–	–	0.10	5.90	20.40	0.32	[28]
S.L.Welsh		–	–	–	–	–	0.40	[63cited from 9]
<i>A. holmgreniorum</i> Barneby	2	–	–	0.14	18.05	–	0.49	[28]
		–	–	0.38	–	–	–	[63cited from 9]
<i>A. bozakmanii</i> Podlech	2	–	–	–	4.58	10.00	0.46	[64]
<i>A. argaeus</i> Boiss. & Balansa	2	–	–	0.87	1.90	3.26	0.58	[65]
<i>A. clerceanus</i> Iljin & Krasch.	2	–	–	–	9.40	15.70	0.60	[66]
<i>A. karelinianus</i> Popov	2	–	–	–	12.20	20.60	0.59	[66]
<i>A. sericeocanus</i> Gontsch.	2	5.99	11.23	0.65	3.72	8.23	0.45	[67]
<i>A. kungurensis</i> Boriss. (= <i>A. wolgensis</i> Bunge)	2	1.94	2.52	0.77	10.65	21.50	0.50	[68]
<i>A. filicaulis</i> Fisch. & C.A.Mey.	1	–	–	0.69	–	7.10	0.34	[69]
		3.19	7.20	0.44	6.30	–	–	[53]
<i>A. campylorhynchus</i> Fisch. & C.A.Mey.	1	–	–	0.65	–	15.00	0.41	[69]
		–	–	–	15.13 ± 1.46	18.50 ± 1.08	0.81 ± 0.08	Original: AA: Goloskokov, 06.06.59
<i>A. vicarius</i> Lipsky	1	–	–	0.43	–	–	0.18	[69]
<i>A. schmalhauseni</i> Bunge	1	–	–	0.62	–	–	0.20	[69]
		6.43	7.50	0.86	9.80	–	–	[52]

<i>A. oxyglottis</i> Steven ex M.Bieb.	1	–	–	0.48	–	–	0.18	[69]
<i>A. campylotrichus</i> Bunge	1	–	–	0.57	–	–	0.31	[69]
<i>A. amphioxys</i> A.Gray	2	–	–	–	9.20	–	0.52	[70]
<i>A. beckwithii</i> Torr. & A.Gray	2	–	–	–	17.10	–	0.68	[70]
<i>A. calycosus</i> Torr. ex S.Watson	2	–	–	–	–	–	0.48	[71]
<i>A. alopecurus</i> Pall.	2	–	–	–	–	–	0.20	[72]
		22.00	–	–	1.50	–	–	[47]
<i>A. cibarius</i> E.Sheld.	2	–	–	–	23.00	–	0.78	[70]
		–	–	0.53	–	–	–	[73]
<i>A. cremnophylax</i> Barneby	2	–	–	0.61	–	–	0.60	[71]
<i>A. dasyanthus</i> Pall.	2	–	–	–	–	–	0.35	[74]
		7.30	14.80	0.49	1.90	–	–	[44]
		–	–	–	–	–	0.45	[75]
<i>A. humillimus</i> A.Gray	2	–	–	–	–	–	0.32	[71]
<i>A. jaegerianus</i> Munz	2	1.30	7.15	0.18	7.35	16.5	0.42	[76]
<i>A. lentiginosus</i> Douglas	1	–	–	–	–	–	0.50	[77]
		–	–	–	19.20	–	0.91	[70]
<i>A. linifolius</i> Osterh.	2	–	–	0.43	–	–	0.18	[33]
<i>A. lonchocarpus</i> Torr.	2	–	–	0.32	–	–	0.26	[33]
<i>A. miser</i> Douglas	2	–	–	–	6.30	–	0.42	[70]
		–	–	0.15	–	–	–	[78cited from 9]
<i>A. nuttallianus</i> DC.	1	–	–	–	14.50	–	0.97	[71]
<i>A. osterhoutii</i> M.E.Jones	2	–	–	0.20	–	–	0.32	[33]
<i>A. pectinatus</i> (Hook.) G.Don	2	–	–	0.20	–	–	0.45	[33]
<i>A. tennesseensis</i> Chapman	2	–	–	–	26.70	29.67	0.90	[79]
<i>A. troglodytus</i> S.Watson	2	–	–	–	–	–	0.52	[71]
<i>A. utahensis</i> (Torr.) Torr. & A.Gray	2	–	–	–	12.80	–	0.48	[70]
		–	–	0.83	–	–	–	[73]
<i>A. ionae</i> Palib.	2	–	–	–	–	–	0.80	[80]

<i>A. globiceps</i> Bunge	2	–	–	–	–	–	0.11	[81]
<i>A. galegiformis</i> L.	2	27.00	31.40	0.86	2.00	–	–	[44]
		13.00	–	–	4.00	–	–	[47]
<i>A. canadensis</i> L.	2	20.70	22.10	0.94	3.10	–	–	[44]
		–	–	0.90	–	–	–	[82cited from 9]
<i>A. agnicidus</i> Barneby	2	–	–	0.70	–	–	–	[83]
<i>A. australis</i> (L.) Lam.	2	3.17	15.59	0.20	2.33	13.59	0.17	[84]
<i>A. cymbicarpos</i> Brot.	1	–	–	0.66	–	23.22	–	[25]
<i>A. edulis</i> Bunge	1	–	–	0.24	–	5.93	–	[25]
<i>A. epiglottis</i> L.	1	–	–	0.74	–	4.17	–	[25]
<i>A. filipes</i> A.Gray	2	–	–	0.55	2.71	–	–	[85]
<i>A. hamosus</i> L.	1	–	–	0.31	–	25.1	–	[25]
<i>A. kentrophyta</i> A.Gray	2	–	–	0.31	–	–	–	[78cited from 9]
<i>A. mollissimus</i> Torr.	2	–	–	0.10	–	–	–	[86cited from 9]
<i>A. montii</i> S.L.Welsh	2	–	–	0.27	–	–	–	[78cited from 9]
<i>A. peckii</i> Piper	2	–	–	0.28	1.57	–	–	[87]
<i>A. scaphoides</i> (M.E.Jones) Rydb.	2	7.40	1.26	0.17	–	–	–	[88]
<i>A. tragacantha</i> L.	2	–	–	0.43	1.75	–	–	[89cited from 9]
<i>A. gines-lopezii</i> Talavera, Podlech, Devesa & F.M.Vázquez	2	1.51	3.85	0.45	11.85	–	–	[90]
<i>A. turkestanus</i> Bunge	2	–	3.50	0.56	4.00	–	–	[52]
<i>A. nuciferus</i> Bunge	2	–	3.05	0.68	6.30	–	–	[52]
<i>A. mucidus</i> Bunge	2	–	4.60	0.48	3.40	–	–	[52]
<i>A. floccosifolius</i> Sumnev.	2	–	6.20	0.46	2.50	–	–	[52]
<i>A. schanginianus</i> Pall.	2	–	4.50	0.57	5.40	–	–	[52]
<i>A. substipitatus</i> Gontsch.	2	–	4.60	0.73	7.80	–	–	[52]
<i>A. alopecias</i> Pall.	2	–	55.01	0.46	2.20	–	–	[52]
<i>A. petkoffii</i> B.Fedtsch.	2	–	15.20	0.39	3.60	–	–	[52]
<i>A. platyphyllus</i> Kar. & Kir.	2	–	27.20	0.84	3.20	–	–	[52]

<i>A. fedtschenkoanus</i> Lipsky	2	–	13.05	0.71	8.80	–	–	[52]
<i>A. sulcatus</i> L.	2	–	7.40	0.04	2.00	–	–	[52]
<i>A. lehmannianus</i> Bunge	2	–	–	0.76	1.95	–	–	[91]
<i>A. norvegicus</i> Grauer	2	–	–	0.32	–	–	–	[92]
<i>A. aboriginum</i> var. <i>richardsonii</i> (E.Sheld.) B.Boivin	2	–	–	0.37	–	–	–	[92]
<i>A. testiculatus</i> Pall.	2	–	–	0.74	5.10	8.90	0.57	[93]; Prokopyev A.S., personal communication
<i>A. sieversianus</i> Pall.	2	–	–	–	4.00 ± 2.21	15.80 ± 1.32	0.25 ± 0.14	Original: Kazakhstan, ca. 150 km from Taraz to Almaty
<i>A. albicans</i> Bong.	2	1.40	6.78	0.19	6.76	12.20	0.56	[94]
<i>A. vaginatus</i> Pall.	2	3.44	20.75	0.17	6.20	12.60	0.50	[94]
<i>A. pseudoaustralis</i> Fisch. & C.A.Mey.	2	2.10	6.14	0.23	2.53	6.25	0.39	[94]
<i>A. candidissimus</i> Ledeb.	2	3.60	10.53	0.33	3.65	12.65	0.25	[94]
<i>A. veresczaginii</i> Krylov & Sumnev.	2	10.00	11.28	0.79	4.43	15.07	0.25	[95]
<i>A. permensis</i> C.A.Mey.	2	2.40	2.90	0.83	7.80	18.30	0.43	[96]

Note: 1 = annuals, 2 = perennials, dash = data absent, bold = data obtained from taxa characterized as rare or endangered/threatened. In the case of originally obtained data, these are represented as average ± standard deviation