

Table S1. Land and water conditions of the 40 survey sites.

No.	Area (m ²)		Altitude (m)	Depth (m)		History (year)	Number of days using water per year
	Surface	Total		Mean	Maximum		
1	85	240	125	0.2	0.5	15	10
2	126	273	75	0.6	0.8	105	0.2
3	85	105	225	0.3	0.5	8	0
4	215	355	32	0.4	0.6	3	0
5	156	350	155	0.8	1.0	3	0
6	505	757	12	1.2	0.4	30	3
7	90	115	45	1.4	1.6	3	20
8	1290	2333	8	0.8	1.6	8	0
9	78	347	25	0.5	0.6	18	8
10	858	1244	18	0.6	0.6	5	0
11	41	142	25	0.6	0.8	35	0.2
12	1232	1798	23	0.4	0.6	6	0
13	32	146	85	0.8	1.0	40	1
14	40	595	85	0.2	0.4	40	0
15	19	48	65	0.3	0.4	3	3
16	445	756	8	0.8	1.5	35	5
17	121	335	35	0.4	0.6	35	3
18	1585	2462	45	1.0	1.3	12	0
19	450	1211	18	0.6	1.3	35	0.5
20	88	155	105	0.4	0.5	45	3
21	4880	5220	138	1.8	3.0	25	35
22	1445	2733	125	0.3	0.5	6	0
23	390	331	45	0.6	0.8	32	0
24	620	1216	3	1.2	1.6	25	5
25	2640	4108	52	4.0	5.5	30	50
26	4586	6073	85	1.6	3.0	23	50
27	873	1425	595	1.0	1.2	35	5
28	120	462	109	0.6	0.8	105	2
29	194	716	3	0.8	1.3	35	10
30	59	205	265	0.4	0.6	4	0
31	143	413	102	0.5	0.6	65	1
32	50	241	85	0.2	0.4	9	0
33	4228	5982	230	1.2	2.0	3	0
34	435	556	170	0.8	1.3	35	5
35	25	75	155	0.4	0.6	45	0
36	171	528	121	0.8	1.0	18	0
37	190	340	95	1.0	1.2	15	0
38	289	469	298	0.8	1.2	45	0.05
39	385	441	178	1.0	1.5	35	5
40	68	183	268	0.4	0.6	65	0.1

Table S2. The plant survey and classification as medicinal plants for the 40 study sites.

Site	No. of survey taxa			No. of medicinal taxa			Medicinal taxa/survey taxa (%)			No. of aquatic taxa		
	May	September	Total	May	September	Total	May	September	Total	May	September	Total
1	33	21	53	24	19	35	72.7	90.5	66.0	0	1	1
2	17	54	65	16	47	56	94.1	87.0	86.2	3	4	6
3	23	48	51	18	36	45	78.3	75.0	88.2	1	5	3
4	22	21	33	16	16	26	72.7	76.2	78.8	0	0	0
5	29	37	54	22	28	38	75.9	75.7	70.4	0	1	1
6	52	52	84	35	40	59	67.3	76.9	70.2	0	0	0
7	20	16	31	18	11	25	90.0	68.8	80.6	1	2	2
8	50	45	82	35	34	60	70.0	75.6	73.2	2	2	4
9	37	40	52	30	32	41	81.1	80.0	78.8	3	3	3
10	35	45	45	28	34	34	80.0	75.6	75.6	3	5	5
11	27	27	44	21	22	34	77.8	81.5	77.3	2	1	2
12	48	30	69	38	23	53	79.2	76.7	76.8	6	5	9
13	29	27	32	24	23	27	82.8	85.2	84.4	3	1	3
14	43	32	65	33	23	47	76.7	71.9	72.3	6	4	9
15	21	20	34	15	17	25	71.4	85.0	73.5	1	3	3
16	33	56	72	25	43	52	75.8	76.8	72.2	3	6	7
17	38	33	65	30	26	50	78.9	78.8	76.9	5	4	9
18	54	39	81	39	33	60	72.2	84.6	74.1	5	9	12
19	53	48	66	37	36	46	69.8	75.0	69.7	8	5	8
20	48	58	58	38	39	43	79.2	67.2	74.1	6	7	7
21	44	51	77	32	35	53	72.7	68.6	68.8	5	7	8
22	44	48	72	37	35	54	84.1	72.9	75.0	11	5	11
23	25	55	66	21	43	53	84.0	78.2	80.3	2	2	4
24	37	39	67	26	34	53	70.3	87.2	79.1	3	1	4
25	56	24	70	41	18	52	73.2	75.0	74.3	1	4	4
26	51	28	69	34	22	47	66.7	78.6	68.1	5	7	9
27	41	44	67	32	34	49	78.0	77.3	73.1	0	0	0
28	54	54	87	44	45	73	81.5	83.3	83.9	0	3	3
29	24	30	47	19	21	34	79.2	70.0	72.3	0	2	2
30	22	33	49	16	26	36	72.7	78.8	73.5	1	5	4
31	44	22	59	37	16	46	84.1	72.7	78.0	4	2	5
32	44	45	75	35	40	61	79.5	88.9	81.3	1	0	1
33	22	38	38	16	26	26	72.7	68.4	68.4	3	8	8
34	47	80	105	38	63	80	80.9	78.8	76.2	3	3	5
35	23	28	48	15	20	33	65.2	71.4	68.8	0	0	0
36	40	44	71	31	35	53	77.5	79.5	74.6	2	3	5
37	25	33	48	20	24	35	80.0	72.7	72.9	1	2	2
38	40	60	80	35	54	72	87.5	90.0	90.0	1	1	2
39	34	49	70	30	39	59	88.2	79.6	84.3	0	0	0
40	26	29	48	20	23	37	76.9	79.3	77.1	1	2	3

Table S3. The list of 314 traditional medicinal plants for use in ecological experiences.

Family							Number of surveyed		
Species	Medicine name ¹⁾	Use part	Affected organs ²⁾	Efficacy	Diseases	Life form ³⁾	May	Sep.	Total
Compositae									
<i>Gnaphalium affine</i>	Myeongyeondu		Lu	4	1	Th	3	0	3
<i>Xanthium strumarium</i>	Galgicho	Aerial Parts	Lu, Sp, Li	5	14	Th	0	1	1
<i>Eupatorium chinense</i> var. <i>simplicifolium</i>	Toseungma	Whole		3	13	H	0	2	2
<i>Solidago virga-aurea</i> var. <i>asiatica</i>	Iljihwanghwa	Aerial Parts	Li, Ga	2	3	H	0	1	1
<i>Aster koraiensis</i>	Jawan	Root	Lu	13	3	G	0	2	2
<i>Aster yomena</i>	Sanbaekguk	Aerial Parts		2	0	G	0	7	7
<i>Aster scaber</i>	Dongpungchae	Aerial Parts	Li	3	2	H	4	3	6
<i>Erigeron annuus</i>	Illyeonbong	Aerial Parts	St, La	2	5	Th	32	35	39
<i>Erigeron bonariensis</i>	Gijuiljiho	Aerial Parts		2	9	Th	1	4	4
<i>Erigeron canadensis</i>	Mangso	Mineral	La, St	5	14	Th	7	20	23
<i>Callistephus chinensis</i>	Chwiguk	Flower		1	0	Th	1	2	2
<i>Patasites japonicus</i>	Bongduchae	Aerial Parts		4	4	H	3	4	5
<i>Senecio vulgaris</i>	Gujucheolligwang	Aerial Parts		3	0	Th	0	1	1
<i>Centipeda minima</i>	Abulsikcho	Aerial Parts	Lu, Li	2	15	Th	1	0	1
<i>Chrysanthemum zawadskii</i> var. <i>latilobum</i>	Gujeolcho	Aerial Parts		0	0	H	0	2	2
<i>Chrysanthemum boreale</i>	Yagukwa	Flower	Li, He	7	3	H	0	6	6
<i>Chrysanthemum indicum</i>	Goui	Flower	Li, Ki, He, Lu	17	8	H	0	1	1
<i>Artemisia japonica</i>	Moho	Aerial Parts	He, Lu, La	3	3	H	1	0	1
<i>Artemisia selengensis</i>	Nuho	Aerial Parts		2	1	H	0	4	4
<i>Artemisia stolonifera</i>	Sanae	Leaf	Ki, Sp, Li	4	8	H	0	8	8
<i>Artemisia princeps</i> var. <i>orientalis</i>	Ae	Leaf	Li, Sp, Ki	7	8	H	35	29	39
<i>Zinnia elegans</i>	Baegilcho	Aerial Parts		1	4	Th	0	2	2
<i>Siegesbeckia glabrescens</i>	Hwaryeomcho	Aerial Parts	Li, Sp, Ki	8	10	Th	1	2	3

<i>Eclipta prostrata</i>	Yejang	Whole	Li, Ki	5	11	Th	2	6	7
<i>Bidens bipinnata</i>	Gwichimcho	Aerial Parts		3	9	Th	1	12	12
<i>Cirsium japonicum</i> var. <i>ussuriense</i>	Daegyegu	Root	Li, He	2	6	G	1	7	7
<i>Hemistepta lyrata</i>	Ihochae	Aerial Parts		2	7	H	14	11	21
<i>Coreopsis drummondii</i>	Jeonyeopgeumgyeguk	Leaf		2	1	Th	1	0	1
<i>Cosmos bipinnatus</i>	Chuyeong	Aerial Parts		3	0	Th	0	1	1
<i>Taraxacum mongolicum</i>	Pogongyeonghwa	Whole	Li, St	4	11	H	11	0	11
<i>Taraxacum officinale</i>	Pogongyeong	Whole	Li, St	4	9	H	15	12	21
<i>Ixeris stolonifera</i>	Gochae	Aerial Parts	Sp, He, St	6	7	H	0	1	1
<i>Ixeris dentata</i>	Gochae	Aerial Parts	Sp, He, St	6	7	H	9	5	12
<i>Sonchus oleraceus</i>	Gochae	Aerial Parts	Sp, He, St	6	7	Th	2	4	4
<i>Sonchus asper</i>	Sokdanguk	Aerial Parts		3	3	Th	1	2	2
<i>Youngia japonica</i>	Hwangamchae	Aerial Parts, Root	Li, Lu	2	14	H	3	3	5
<i>Youngia denticulata</i>	Yaksacho	Aerial Parts	Lu	2	6	Th	0	3	3
<i>Youngia sonchifolia</i>	Maechae	Aerial Parts		4	6	Th	6	1	6
Rosaceae									
<i>Sorbaria sorbifolia</i> var. <i>stellipila</i>	Jinjumae			2	0	N	0	1	1
<i>Spiraea prunifolia</i> var. <i>simpliciflora</i>	Sangsan	Root	Li, Sp, He, Lu	5	2	N	5	4	8
<i>Duchesnea chrysantha</i>	Samae	Aerial Parts		4	16	H	18	10	24
<i>Potentilla kleiniana</i>	Sahamcho	Aerial Parts	Sp, Lu	4	14	H	1	0	1
<i>Potentilla fragarioides</i> var. <i>major</i>	Chijayeon	Aerial Parts	Li	2	2	H	3	3	6
<i>Potentilla chinensis</i>	Wireungchae	Aerial Parts	Li, La	2	2	H	1	0	1
<i>Rubus crataegifolius</i>	Ujildu	Fruit	Li, Ki	2	7	N	7	6	11
<i>Rubus parvifolius</i>	Hojeonpyo	Aerial Parts		3	8	N	7	2	9
<i>Rubus hirsutus</i>	Bongnyu	Fruit		11	10	N	0	1	1
<i>Sanguisorba hakusanensis</i>	Jiyu	Root	Li, La	1	5	H	0	1	1
<i>Rosa multiflora</i>	Jangmigeun	Root	Sp, St	9	12	N	19	15	25

<i>Prunus persica</i>	Dogyo	Branch	La, Bl	3	6	M	0	2	2
<i>Prunus serrulata</i> var. <i>spontanea</i>	Yaaenghwa	Seed	Lu	2	4	M	1	4	4
<i>Prunus sargentii</i>	Yaaenghwa	Seed	Lu	2	1	M	2	0	2
<i>Crataegus pinnatifida</i>	Sansayuk	Fruit	Li, Sp, St	1	11	M	2	0	2
<i>Chaenomeles lagenaria</i>	Mogwa	Fruit	Li, Sp	5	4	N	0	1	1
<i>Sorbus alnifolia</i>	Suyugwa	Fruit	Li, Sp	1	2	M	1	0	1
Leguminosae									
<i>Albizzia julibrissin</i>	Haphwanpi	Bark, Epidermis	Li, He, Lu, Sp	6	4	H	4	1	4
<i>Cercis chinensis</i>	Somok	Heartwood	Li, Sp, He	2	4	M	0	1	1
<i>Cassia mimosoides</i> var. <i>nomame</i>	Sanpyeondu	Aerial Parts	Li, Ki, Sp, St	2	5	Th	1	6	6
<i>Lespedeza cyrtobotrya</i>	Danseohojija	Stem, Leaf		2	8	N	5	5	8
<i>Lespedeza cuneata</i>	Yagwanmun	Aerial Parts	Ki, Li	3	14	CH	2	1	3
<i>Kummerowia striata</i>	Gyeanchu	Aerial Parts		2	12	H	5	1	5
<i>Aeschynomene indica</i>	Hammaeng	Aerial Parts	Lu, St	5	11	Th	3	5	7
<i>Vicia amoena</i>	Sanyawandu	Aerial Parts	Li, Bl	4	7	H	2	0	2
<i>Vicia unijuga</i>	Samnyeongja	Root, Leaf		1	5	G	0	1	1
<i>Pueraria thunbergiana</i>	Baekgeongal	Root	Sp, St	3	20	M	15	16	22
<i>Glycine soja</i>	Nokgwak		Ki, Li	2	9	Th	11	7	14
<i>Amphicarpaea edgeworthii</i> var. <i>trisperma</i>	Yanghyeongdu	Root		1	0	Th	18	25	32
<i>Indigofera pseudotinctoria</i>	Nanga	Aerial Parts	Li, Sp, Lu	4	8	CH	0	1	1
<i>Robinia pseudoacacia</i>	Jagoehwa	Flower	Li	1	4	M	3	3	6
<i>Caragana sinica</i>	Goldamchogeun	Root	Lu, Sp	2	11	N	0	1	1
<i>Amorpha fruticosa</i>	Jasugoe	Leaf		1	4	M	5	2	5
<i>Trifolium repens</i>	Samscho	Aerial Parts		1	3	CH	28	17	28
Gramineae									
<i>Sasa borealis</i>	Jugyeop	Leaf	Ga, He, St, Lu	6	5	N	1	1	1
<i>Pseudosasa japonica</i>	Jugyeop	Leaf	Ga, He, St, Lu	6	5	M	0	1	1

<i>Avena fatua</i>	Yeonmaek		Ki, Lu	2	6	Th	1	0	1
<i>Bromus japonicus</i>	Jangmaekja	Seed	Li, Sp, La	4	2	Th	1	1	2
<i>Leersia japonica</i>	Gado	Aerial Parts	Lu, Li, Ki	1	3	HH	14	16	18
<i>Zizania latifolia</i>	Gogeun	Root		4	4	HH	8	0	8
<i>Phragmites communis</i>	Nowi	Root	St, Lu	4	6	G	19	23	25
<i>Eragrostis ferruginea</i>	Jipungcho	Root		1	2	H	1	12	12
<i>Eleusine indica</i>	Ugeuncho	Aerial Parts	Li	6	11	Th	2	13	13
<i>Pennisetum alopecuroides</i>	Nangmicho	Aerial Parts	Li	2	2	H	1	6	7
<i>Setaria viridis</i>	Gumicho	Aerial Parts		3	8	Th	2	26	27
<i>Digitaria sanguinalis</i>	Madang	Aerial Parts	Li, Sp	2	1	Th	5	30	31
<i>Imperata cylindrica</i> var. <i>koenigii</i>	Baengmogeun	Root	Bl, St, Lu	12	4	H	2	2	2
<i>Miscanthus sacchariflorus</i>	Pamogeun	Root		2	3	H	1	5	5
<i>Miscanthus sinensis</i>	Mangeun	Root		4	3	H	3	16	16
<i>Cymbopogon tortilis</i> var. <i>goeringii</i>	Guyeobunhyangcho	Aerial Parts	Bl, Lu	3	2	H	6	1	6
Polygonaceae									
<i>Rumex acetocella</i>	Sosanmo	Aerial Parts		1	8	H	1	0	1
<i>Rumex acetosa</i>	Sanmo	Root		8	11	H	1	2	3
<i>Rumex crispus</i>	Yangjegeun	Root	He, Li, La	1	6	H	9	18	22
<i>Persicaria filiforme</i>	Geumseoncho	Aerial Parts		3	0	H	0	3	3
<i>Persicaria perfoliata</i>	Gangpangwi	Aerial Parts	Lu, Sm	6	8	Th	5	1	6
<i>Persicaria senticasa</i>	Nangin	Aerial Parts		2	9	Th	9	4	11
<i>Persicaria thunbergii</i>	Gogyomaek	Seed	Sp, St, La	1	1	Th	31	32	35
<i>Persicaria sieboldii</i>	Jakgyo	Fruit, Aerial Parts	Lu, Li	4	0	Th	0	1	1
<i>Persicaria lapathifolia</i>	Suhonghwaja	Fruit	Li, St	12	7	Th	0	2	2
<i>Persicaria hydropiper</i>	Yosil	Fruit		3	6	Th	2	17	17
<i>Polygonum aviculare</i>	Pyeonchuk	Aerial Parts	Bl	4	5	Th	1	1	2

Liliaceae

<i>Hosta longipes</i>	Okjamhwa	Flower, Leaf, Root		0	0	H	4	2	4
<i>Hemerocallis fulva</i>	Hwoncho	Root	Sp, Lu	4	0	G	0	6	6
<i>Allium monanthum</i>	Sosan	Root	La, St, Lu	3	7	G	1	0	1
<i>Lilium tigrinum</i>	Baekbaekap	Stem	He, Lu	14	5	G	0	1	1
<i>Scilla scilloides</i>	Myeonjoa	Aerial Parts	Li, La	2	5	G	2	0	2
<i>Polygonatum odoratum</i> var. <i>pluriflorum</i>	Okjuk	Root	St, Lu	2	6	G	3	0	3
<i>Liriope platyphylla</i>	Maengmundong	Root	He, St, Lu	20	12	G	1	1	2
<i>Smilax china</i>	Uyeoryang	Root	Li, St	3	7	N	4	1	5
<i>Smilax sieboldii</i>	Cheolsayeongseon	Root, Root		2	5	N	1	1	2
Cruciferae									
<i>Brassica juncea</i> var. <i>integrifolia</i>	Baekgaeja	Seed	St, Lu	12	6	Th	0	3	3
<i>Thlaspi arvense</i>	Seongmyeongja	Seed	Li	4	4	Th	2	0	2
<i>Cardamine flexuosa</i>	Swaemije	Aerial Parts		3	10	Th	1	5	5
<i>Cardamine leucantha</i>	Chaejachil	Root	Lu, Li	1	4	H	0	5	5
<i>Barbarea orthoceras</i>	Jechae	Whole	Li, Sp, Bl	4	9	Th	1	0	1
<i>Rorippa indica</i>	Hanchae	Aerial Parts, Flower	Lu, Li	4	11	H	3	4	6
<i>Rorippa islandica</i>	Punghwachae	Aerial Parts	Li, Bl	2	8	H	5	2	7
<i>Capsella bursa-pastoris</i>	Jechaeja	Seed	Li	5	2	Th	12	0	12
<i>Draba nemorosa</i> var. <i>hebecarpa</i>	Jeongnyeokja	Seed	Bl, Lu	8	6	Th	7	0	7
Caryophyllaceae									
<i>Sagina japonica</i>	Chilgocho	Aerial Parts	Li, St	2	10	Th	1	1	1
<i>Sagina maxima</i>	Chilgocho	Aerial Parts		0	0	Th	1	0	1
<i>Arenaria serpyllifolia</i>	Somusimchae	Aerial Parts	Li, Lu	2	5	H	1	0	1
<i>Stellaria aquatica</i>	Ubeollu	Aerial Parts	Li, St	2	7	H	19	16	26
<i>Stellaria media</i>	Eunsiho	Root	Li, Ki, St	2	7	Th	2	2	3
<i>Stellaria alsine</i> var. <i>undulata</i>	Cheonbongcho	Aerial Parts	Lu, Sp	3	4	Th	1	0	1
<i>Dianthus sinensis</i>	Seokjuk	Aerial Parts	Sm, He	15	14	H	3	2	3

<i>Melandryum firmum</i>	Wangbullyuhaeng	Seed	Li, St	5	4	Th	0	2	2
Labiatae									
<i>Agastache rugosa</i>	Gwakhyang	Aerial Parts	Sp, St, Lu	3	7	H	0	1	1
<i>Meehanian urticifolia</i>	Mihanhwa	Aerial Parts		2	0	H	0	2	2
<i>Leonurus sibiricus</i>	Yacheonma	Whole	Li	8	4	Th	2	7	8
<i>Stachys riederi</i> var. <i>japonica</i>	Seokjam	Aerial Parts		0	3	H	5	2	7
<i>Lamium amplexicaule</i>	Bogaecho	Aerial Parts		2	10	Th	2	2	3
<i>Lycopus ramosissimus</i> var. <i>japonicus</i>	Taengnan	Aerial Parts	Li, Sp	2	6	G	0	1	1
<i>Perilla frutescens</i> var. <i>japonica</i>	Imja	Seed	Lu	9	2	Th	0	2	2
<i>Isodon inflexus</i>	Sanbakha	Aerial Parts		0	1	H	0	1	1
Urticaceae									
<i>Urtica thunbergiana</i>	Damma	Aerial Parts		4	3	H	9	1	9
<i>Pilea mongolica</i>	Tugyeongnaengsuhwa	Root, Stem, Leaf		3	8	Th	1	4	5
<i>Boehmeria nivea</i>	Jeogeun	Root	Li	7	8	CH	2	0	2
<i>Boehmeria spicata</i>	Sohonghwalma	Aerial Parts		2	2	CH	3	2	4
<i>Boehmeria tricuspidis</i>	Jangbaekjeoma	Root	Li	2	8	H	7	12	12
<i>Boehmeria pannosa</i>	Jeomageun	Root	Li, He	6	8	H	0	2	2
Ranunculaceae									
<i>Clematis mandshurica</i>	Wiryeongseon	Root	Bl	4	5	N	0	1	1
<i>Clematis apiifolia</i>	Yeowi	Stem	Li, Sp, La	4	6	N	17	12	21
<i>Ranunculus sceleratus</i>	Seongnyongye	Aerial Parts	Lu, He	1	6	Th	11	2	11
<i>Thalictrum filamentosum</i>	Mamiryeon	Root, Aerial Parts	He, Li, La	2	5	G	0	1	1
<i>Aquilegia buergeriana</i> var. <i>oxysepala</i>	Nuduchae	Aerial Parts	Li	1	3	G	0	1	1
<i>Paeonia lactiflora</i> var. <i>hortensis</i>	Jeokjak	Root	Li	4	8	G	0	1	1
Alismataceae									
<i>Alisma plantago-aquatica</i> var. <i>oriental</i>	Taeksa	Root	Bl, Ki	10	4	HH	2	0	2
<i>Alisma canaliculatum</i>	Susa	Root	Bl, Ki	10	4	HH	1	1	1

<i>Sagittaria trifolia</i>	Jago	Root	Li, Lu, Sp, Bl	3	15	HH	0	6	6
<i>Sagittaria trifolia</i> var. <i>edulis</i>	Yajago	Aerial Parts	Li, Sp, Lu, Bl	4	15	HH	0	1	1
Iridaceae									
<i>Iris rossii</i>	Marinja	Seed	La, St	6	16	G	1	0	1
<i>Iris pseudoacorus</i>	Okseonhwa	Root, Stem	Sp, Lu, Li	2	5	G	4	2	4
<i>Iris ensata</i> var. <i>spontanea</i>	Okseonhwa	Root, Stem	Sp, Lu, Li	2	5	G	2	1	3
<i>Iris nertschinskia</i>	Marinhwa	Flower	St, Sp, Lu, Li	6	10	G	3	0	3
Amaranthaceae									
<i>Amaranthus retroflexus</i>	Yahyeonchae	Aerial Parts, Seed	La, Sm	1	7	Th	1	0	1
<i>Amaranthus mangostanus</i>	Jahyeon	Whole	La, Sm	3	4	Th	0	2	2
<i>Amaranthus lividus</i>	Yahyeonchae	Aerial Parts, Seed	La, Sm	1	7	Th	3	4	6
<i>Achyranthes japonica</i>	Useulgyeong	Root	Li, Ki	6	11	H	2	20	21
Euphorbiaceae									
<i>Daphniphyllum macropodum</i>	Uipung	Leaf	Li, Ki	2	4	M	0	1	1
<i>Securinega suffruticosa</i>	Iryeopchu	Branch		3	6	N	0	3	3
<i>Acalypha australis</i>	Ada		He, Lu, La, Sm	6	11	Th	1	0	1
<i>Euphorbia humifusa</i>	Jigeumcho		Li, La	3	10	Th	1	4	4
Celastraceae									
<i>Euonymus japonica</i>	Jogyongcho	Root	Li	1	3	M	2	1	3
<i>Euonymus fortunei</i> var. <i>radicans</i>	Bubangdeung	Stem, Leaf	Li, Ki, St	2	9	N	0	1	1
<i>Euonymus alatus</i>	Gwijeon	Branch	Li	5	8	N	1	1	1
<i>Celastrus orbiculatus</i>	Namsadeung	Stem	Li, Sp, La	2	11	M	2	7	7
Umbelliferae									
<i>Hydrocotyle maritima</i>	Cheonhoyu	Aerial Parts	Li, Sp, Lu	3	4	H	1	0	1
<i>Oenanthe javanica</i>	Sageun	Whole	St, Lu	11	20	H	19	10	23
<i>Pimpinella brachycarpa</i>	Jigwahoegun	Root		2	0	H	1	0	1
<i>Angelica polymorpha</i>	Sangunggung	Root		1	5	H	0	1	1

Oleaceae									
<i>Fraxinus rhynchophylla</i>	Jinpi	Bark, Epidermis	Li, Ga, La	3	5	M	5	4	6
<i>Ligustrum obtusifolium</i>	Surapgwa	Fruit	Li, Ki	3	4	N	7	3	8
<i>Forsythia koreana</i>	Yeongyosim	Seed	Ga, Sm, He, Lu	4	9	N	4	0	4
<i>Syringa oblate</i> var. <i>dilatata</i>	Jeonghyangyeop	Leaf		2	0	M	0	1	1
Convolvulaceae									
<i>Ipomoea purpurea</i>	Gyeonuja	Seed	La, Ki, Lu	3	6	Th	1	0	1
<i>Pharbitis nil</i>	Heukgyeonu	Seed	La, Ki, Lu	3	6	Th	0	1	1
<i>Calystegia japonica</i>	Guguang	Root, Aerial Parts	Sp, St, La, Sm	3	4	H	6	5	10
<i>Calystegia sepium</i> var. <i>americana</i>	Gojahwa	Flower	Lu, Ki	3	3	H	1	0	1
Scrophulariaceae									
<i>Paulownia tomentosa</i>	Dongpi	Bark, Epidermis		2	4	M	0	1	1
<i>Mazus pumilus</i>	Nongnanhwa	Aerial Parts		3	9	Th	6	5	7
<i>Lindernia micrantha</i>	Maeksangchae	Aerial Parts		1	5	Th	2	1	3
<i>Veronica polita</i> var. <i>lilacina</i>	Papanap	Aerial Parts	Ki, Li	2	5	Th	2	1	3
Rubiaceae									
<i>Paederia scandens</i>	Gyesideung	Root, Aerial Parts		4	5	N	0	2	2
<i>Rubia akane</i>	Gwasallyong	Root	Li	7	15	G	14	13	20
<i>Rubia cordifolia</i> var. <i>pratensis</i>	Cheongeun	Root	Li	8	6	G	0	2	2
<i>Galium spurium</i>	Geogeodeung	Aerial Parts		3	5	Th	2	2	3
Cyperaceae									
<i>Scirpus fluviatilis</i>	Samneung	Root	Li, Sp	2	8	G	1	1	1
<i>Scirpus triqueter</i>	Pycho	Aerial Parts	Sp, St, Bl	1	6	HH	0	1	1
<i>Scirpus tabernaemontani</i>	Suchong	Aerial Parts	Bl	1	2	HH	2	1	3
Araceae									
<i>Colocasia antiquorum</i> var. <i>esculenta</i>	Yau	Root	He, Li	2	6	G	0	2	2

<i>Arisaema amurense</i> var. <i>serratum</i>	Udamnamseong		Li, Sp, Lu	2	6	G	1	0	1
<i>Acorus calamus</i> var. <i>angustatus</i>	Changpo	Root	Li, Sp, He	17	4	HH	5	5	7
Salicaceae									
<i>Salix koreensis</i>	Yujipi	Bark, Epidermis		2	9	M	0	10	10
<i>Salix pseudo-lasiogyne</i>	Yuji	Branch	St, Li	2	8	M	1	0	1
<i>Salix gracilistyla</i>	Joyugeun	Root		3	10	N	15	8	16
Fagaceae									
<i>Quercus acutissima</i>	Sangsil	Fruit	Li, La, Ki	6	10	M	0	1	1
<i>Quercus aliena</i>	Sangja	Fruit		1	0	M	1	3	4
<i>Quercus mongolica</i>	Jaksupi	Bark, Epidermis		2	6	M	2	2	3
Ulmaceae									
<i>Ulmus parvifolia</i>	Nangyupi	Bark, Epidermis		2	11	M	0	2	2
<i>Zelkova serrata</i>	Gyeyu	Leaf		1	0	M	4	4	5
<i>Celtis sinensis</i>	Baksupi	Bark, Epidermis	Li	1	2	M	0	2	2
Moraceae									
<i>Morus bombycis</i>	Sangsim	Fruit	Li, Ki, He	13	6	M	4	1	5
<i>Morus alba</i>	Sangpi	Root	Lu	9	4	M	1	13	13
<i>Broussonetia kazinoki</i>	Gupima	Branch, Leaf		3	5	N	1	0	1
Fumariaceae									
<i>Dicentra spectabilis</i>	Hapomorangeun	Root		3	3	G	1	0	1
<i>Corydalis turtchaninovii</i>	Hyeonhosaek	Root	Li, Sp	4	3	G	2	0	2
<i>Corydalis speciosa</i>	Hwanggeun	Aerial Parts	Lu, Li, Bl	4	3	Th	0	4	4
Crassulaceae									
<i>Penthorum chinense</i>	Sutaengnan	Aerial Parts	Li, Ki	2	11	M	0	1	1
<i>Sedum kamtschaticum</i>	Bichae	Aerial Parts	He, Li	3	13	H	2	0	2

<i>Sedum sarmentosum</i>	Subuncho	Aerial Parts	Li, Lu, La	2	10	H	10	7	13
Saxifragaceae									
<i>Parnassia palustris</i>	Maehwacho	Aerial Parts		2	7	H	0	1	1
<i>Philadelphus schrenkii</i>	Dongbuksanmaehwa	Root		2	0	N	0	1	1
<i>Hydrangea macrophylla</i>	Palseonhwa	Root, Leaf, Flower	He	4	6	M	0	1	1
Anacardiaceae									
<i>Rhus chinensis</i>	Yeombumok	Root, Leaf		2	8	M	4	2	5
<i>Rhus trichocarpa</i>	Geonchil	Branch	Li, Sp, St	2	4	M	6	3	7
<i>Rhus verniciflua</i>	Chil	Branch	Li, Sp, St	2	4	M	1	0	1
Araliaceae									
<i>Kalopanax pictus</i>	Jachusupi	Bark, Epidermis		3	10	M	1	1	1
<i>Acanthopanax sessiliflorus</i>	Ogapi	Bark, Epidermis	Li, Ki	3	6	N	2	1	2
<i>Aralia elata</i>	Mokduchae	Bark, Epidermis		7	13	M	1	1	1
Gentianaceae									
<i>Menyanthes trifoliata</i>	Suchae	Aerial Parts		3	8	H	1	1	1
<i>Nymphoides peltata</i>	Haengchae	Aerial Parts		4	8	HH	0	2	2
<i>Nymphoides indica</i>	Geumeullyeonhwa	Leaf		2	3	HH	1	0	1
Valerianaceae									
<i>Patrinia scabiosaefolia</i>	Paejang	Root	Li, La, St	4	6	H	1	0	1
<i>Patrinia villosa</i>	Paejang	Root	Li, La, St	4	6	H	1	0	1
<i>Valeriana fauriei</i>	Gilchogeun	Root		0	5	G	1	0	1
Equisetuaceae									
<i>Equisetum arvense</i>	Munhyeong	Whole	Lu, St, Li	3	8	G	30	29	33
<i>Equisetum hyemale</i>	Mokjeok	Aerial Parts	Li, Ga, Lu	7	8	H	2	2	2
Taxaceae									
<i>Torreya nucifera</i>	Bija	Seed	La, St, Lu	10	5	M	1	0	1

<i>Taxus cuspidata</i>	Jasam	Branch, Leaf	Ki	2	3	M	2	1	3
Cupressaceae									
<i>Thuja orientalis</i>	Baeksil	Seed	La, Ki, He	7	4	M	2	1	2
<i>Juniperus chinensis</i>	Nohoe	Ash		0	0	M	2	1	2
Typhaceae									
<i>Typha orientalis</i>	Pohwanggeun	Root		3	0	HH	13	17	20
<i>Typha angustifolia</i>	Hyangpo	Flower	Li, He	6	8	HH	0	1	1
Potamogetonaceae									
<i>Potamogeton distinctus</i>	Anjachae	Aerial Parts		4	8	HH	3	1	3
<i>Potamogeton cristatus</i>	Anjachae	Aerial Parts		4	8	HH	1	1	2
Lemnaceae									
<i>Spirodela polyrhiza</i>	Jabaebupyeong	Whole	Lu	10	8	HH	9	8	14
<i>Lemna paucicostata</i>	Bupyeong	Whole	Lu	10	9	HH	9	8	12
Commelinaceae									
<i>Commelina communis</i>	Apcheokcho	Aerial Parts	Li, La, Sm, Sp, Ki, He	4	13	Th	16	25	30
<i>Aneilema keisak</i>	Sujukchae	Aerial Parts	Lu	3	0	Th	7	5	9
Dioscoreaceae									
<i>Dioscorea bulbifera</i>	Hwangyakja	Root	Li, He	4	10	G	3	0	3
<i>Dioscorea tokoro</i>	Bihae	Root	Li, Bl, Ki, St	10	6	G	7	0	7
Betulaceae									
<i>Betula platyphylla</i> var. <i>japonica</i>	Hwamokpi	Bark, Epidermis	St	6	10	M	0	1	1
<i>Corylus heterophylla</i> var. <i>thunbergii</i>	Jinja	Fruit	Sp, St	9	4	N	4	0	4
Nymphaeaceae									
<i>Nymphaea tetragona</i> var. <i>angusta</i>	Seoryeon	Flower		2	3	HH	0	6	6
<i>Nelumbo nucifera</i>	Yeonsuchongbaek	Flower	He, Li, Sp	2	6	HH	5	7	7
Menispermaceae									
<i>Menispermum dauricum</i>	Pyeonbokgalgeun	Root	Lu, St, La	2	8	N	1	2	3

<i>Cocculus trilobus</i>	Mokbanggi	Root	Bl, Lu	11	4	N	4	5	9
Magnoliaceae									
<i>Magnolia kobus</i>	Sini	Flower	St, Lu	11	6	M	1	0	1
<i>Magnolia obovata</i>	Hubak	Bark, Epidermis	La, Sp, St, Lu	9	5	M	2	0	2
Lauraceae									
<i>Lindera obtusiloba</i>	Samcheoppung	Bark, Epidermis		2	4	M	4	1	5
<i>Lindera erythrocarpa</i>	Cheomdanggwaw	Branch, Leaf		1	3	M	1	0	1
Aquifoliaceae									
<i>Ilex cornuta</i>	Gugoryeop	Leaf	Li, Ki	3	7	M	0	1	1
<i>Ilex serrata</i> var. <i>sieboldii</i>	Naksanghong	Root, Leaf		2	4	M	0	1	1
Aceraceae									
<i>Acer ginnala</i>	Dajochuk	Root		1	0	M	0	2	2
<i>Acer buergerianum</i>	Gyejochuk	Root, Leaf		1	2	M	1	0	1
Balsaminaceae									
<i>Impatiens textori</i>	Yabongseonhwa	Flower	Lu, Sp	2	2	H	12	5	13
<i>Impatiens balsamina</i>	Baekbongseonhwa	Flower		6	9	Th	0	2	2
Vitaceae									
<i>Ampelopsis brevipedunculata</i> var. <i>heterophylla</i>	Sapodo	Stem	He, Li, Ki	3	0	M	4	3	6
<i>Parthenocissus tricuspidata</i>	Jigeum	Root, Stem		3	9	M	2	2	3
Actinidiaceae									
<i>Actinidia polygama</i>	Mokcheollyo	Branch, Leaf		3	7	M	0	1	1
<i>Actinidia arguta</i>	Deung-ri		Ki, St, Ga, Sp	3	8	M	2	0	2
Violaceae									
<i>Viola mandshurica</i>	Jijeong	Aerial Parts	Li, He	3	5	H	1	4	4
<i>Viola acuminata</i>	Jubyeongang	Aerial Parts		2	4	H	0	1	1
Lythraceae									
<i>Lagerstroemia indica</i>	Jamihwa	Flower		2	2	M	3	2	4

<i>Lythrum anceps</i>	Cheongulchae	Aerial Parts		1	8	H	1	1	1
Onagraceae									
<i>Ludwigia prostrata</i>	Jeonghyangnyo	Aerial Parts		2	15	H	2	9	10
<i>Oenothera odorata</i>	Wolgyeoncho	Aerial Parts		1	5	H	3	7	10
Styracaceae									
<i>Styrax obassia</i>	Ongnyeonghwa	Fruit		2	1	N	1	0	1
<i>Styrax japonica</i>	Maemadeung	Flower		2	6	M	1	0	1
Plantaginaceae									
<i>Plantago asiatica</i>	Jiui	Whole	Li, Sm, Ki, Lu	14	10	H	23	22	29
<i>Plantago camtschatica</i>	Chajeonja	Seed	Li, Sm, Ki, Lu	8	4	H	4	0	4
Caprifoliaceae									
<i>Lonicera japonica</i>	Indongdeung	Stem	St, Lu	8	2	N	2	3	5
<i>Lonicera maackii</i>	Geumeunindong	Flower	Li	2	7	N	4	0	4
Pteridaceae									
<i>Pteridium aquilium</i> var. <i>latiusculum</i>	Gwolchae	Leaf	Sp	3	1	G	1	0	1
Aspidiaceae									
<i>Cyrtomium falcatum</i>	Jeonyeongwanjung	Root, Leaf	Li, Lu, La	3	14	H	0	1	1
Ginkgoaceae									
<i>Ginkgo biloba</i>	Eunhaeng	Fruit	Lu	3	3	M	2	4	4
Pinaceae									
<i>Pinus densiflora</i>	Yeokcheong	Branch	Li, Sp	13	3	M	6	8	9
Taxodiaceae									
<i>Cryptomeria japonica</i>	Yusam	Root		3	3	M	1	0	1
Hydrocharitaceae									
<i>Ottelia alismoides</i>	Yongseolcho	Aerial Parts		2	6	HH	1	4	4
Pontederiaceae									
<i>Monochoria korsakowii</i>	Ugu			3	4	HH	2	1	2
Juncaceae									

<i>Juncus effusus</i> var. <i>decipiens</i>	Deungsimcho	Stem	Sm, He, Lu	2	7	H	11	11	17
Orchidaceae									
<i>Cypripedium macranthum</i>	Ogongchil	Root		4	5	G	1	0	1
Cannabaceae									
<i>Humulus japonicus</i>	Yulcho	Aerial Parts	Li, La, Bl, Lu	8	9	Th	36	26	38
Aristolochiaceae									
<i>Asarum sieboldii</i>	Buksesin	Aerial Parts, Root	Ki, He, Lu	6	6	G	0	1	1
Chenopodiaceae									
<i>Chenopodium album</i> var. <i>centrorubrum</i>	Donghoe	Ash		2	9	Th	17	6	18
Phytolaccaceae									
<i>Phytolacca americana</i>	Sangnyuk	Root	La, Sp, Ki, Lu	3	2	Th	4	2	6
Portulacaceae									
<i>Portulaca oleracea</i>	Machihyeon	Aerial Parts	Li, La, He	10	6	Th	5	3	7
Lardizabalaceae									
<i>Akebia quinata</i>	Yejija	Fruit	Li, Ga, Bl, St	4	7	N	5	5	7
Berberidaceae									
<i>Nandina domestica</i>	Namcheonjukja	Fruit	Lu	2	3	N	0	1	1
Papaveraceae									
<i>Chelidonium majus</i> var. <i>asiaticum</i>	Baekgulchae	Aerial Parts	Lu, Sp, St	4	11	Th	21	10	25
Geraniaceae									
<i>Geranium sibiricum</i>	Nogwancho	Aerial Parts, Fruit	Li, La	2	7	H	3	3	5
Oxalidaceae									
<i>Oxalis corniculata</i>	Samyeopsanjangcho	Aerial Parts	La, Sm	3	17	G	19	11	22
Tropaeolaceae									
<i>Tropaeolum majus</i>	Hangeumnyeon	Aerial Parts		2	4	Th	0	1	1
Rutaceae									

<i>Zanthoxylum schinifolium</i>	Sancho	Fruit	Sp, Ki, Lu	4	13	M	0	3	3
Simaroubaceae									
<i>Ailanthus altissima</i>	Chungeunpi	Bark, Epidermis	La, St	4	4	M	3	3	6
Meliaceae									
<i>Melia azedarach</i> var. <i>japonica</i>	Cheollyeonjayuk	Fruit	Li, Bl, Sm, St	7	4	M	0	2	2
Buxaceae									
<i>Buxus microphylla</i> var. <i>koreana</i>	Hwangyangmok	Seed, Root	He, Li, Ki	3	5	N	2	1	2
Staphyleaceae									
<i>Staphylea bumalda</i>	Seonggoyu	Fruit, Root		1	1	M	0	1	1
Rhamnaceae									
<i>Hovenia dulcis</i>	Jiguja	Seed	Lu, St, La	4	6	M	0	1	1
Malvaceae									
<i>Hibiscus syriacus</i>	Mokgeunpi	Bark, Epidermis	Li, La, Sp, He	7	6	M	2	2	3
Theaceae									
<i>Camellia japonica</i>	Sandahwa	Flower	Li, Lu	2	10	M	1	2	2
Hydrocaryaceae									
<i>Trapa japonica</i>	Neungsil	Fruit	Sp, St	2	5	HH	3	10	10
Pyrolaceae									
<i>Pyrola japonica</i>	Noksucho		Li, Ki	4	8	H	2	0	2
Ericaceae									
<i>Rhododendron yediense</i> var. <i>poukhanense</i>	Cheokchok	Flower		4	0	N	3	7	9
Ebenaceae									
<i>Diospyros kaki</i>	Geonsi	Fruit	Lu	12	11	M	1	0	1
Symplocaceae									
<i>Symplocos chinensis</i> f. <i>pilosa</i>	Hwasanban	Branch, Leaf	St, La	2	5	N	0	1	1
Apocynaceae									

<i>Trachelospermum asiaticum</i> var. <i>intermedium</i>	Nakseokdeung	Stem	Li, He	2	4	N	1	1	1
Asclepiadaceae									
<i>Metaplexis japonica</i>	Namadeung	Aerial Parts		3	7	G	1	9	9
Boraginaceae									
<i>Trigonotis peduncularis</i>	Gyejangcho	Aerial Parts		4	7	H	14	2	16
Verbenaceae									
<i>Callicarpa japonica</i>	Jaju	Leaf		2	10	M	0	2	2
Solanaceae									
<i>Solanum nigrum</i>	Yonggyu	Whole		3	6	Th	1	7	7
Bignoniaceae									
<i>Catalpa ovata</i>	Saengjaebaekpi	Root, Bark, Epidermis	Ga, St	3	5	M	1	0	1
Acanthaceae									
<i>Justicia procumbens</i>	Jaksang	Aerial Parts	Lu, Li, Bl	3	14	Th	1	10	11
Cucurbitaceae									
<i>Cucurbita moschata</i>	Hobak	Mineral	Li, Bl, Sp, Sm, He	9	10	Th	0	1	1
Lobeliaceae									
<i>Lobelia chinensis</i>	Banbyeollyeon	Aerial Parts	Sm, He, Lu	2	4	H	1	3	4

¹⁾Korean Traditional medicine name.

²⁾Li: liver; Lu: lung; Sp: spleen; St: stomach; He: heart; La: large intestine; Ki: kidney; Bl: bladder; Sm: small intestine; Ga: gall bladder.

³⁾ G: geophytes; H: hemicryptophytes; HH: hydrophytes; M: megaphanerophytes; N: nanophanerophytes; Th: therophytes

