

Table I. Cuticular characters of *Drimys piperita* (Entities according to Vink 1970)

- = character absent; + = character present; † = character infrequent or inconspicuous; ++ = character abundant; w = wider than long; s = squarish; l = longer than wide; n = not modified; c = curved; u = undulated.

Entity	Collection	Notes	Vegetation	Altitude in m	Leaf size in mm	Stomatal size in μm	Length/width ratio stomata	Abaxial cuticle								Adaxial cuticle								
								Stomatal size/epidermal cell size ratio	Subdivisions subsidiary cells	Flanges pitted	Flanges curved or undulated	Cuticle granular	Outline cells over midrib	1st and 2nd order veins prominent	Minor veins prominent	Occurrence of 'glands'	Flanges pitted	Flanges curved or undulated	Cuticle granular	Midrib prominent	Veins prominent	Occurrence of 'glands'		
1 <i>reducta</i>	Vink 16071		Open subalp.	3590	16x 8	32x23	1.38	2-3	+	-	-	-	w	-	-	++	-	-	-	-	-	-	-	-
2 <i>subalpina</i>	vBalgooy 226		Open subalp.	4075	30x10	34x28	1.22	c.2	+	+	+	-	w	-	-	+	-	-	-	-	-	-	-	-
4 <i>versteegii</i>	NGF 36966		Shrubbery	2700	11x 5	32x23	1.40	c.2	+	+	+	-	w	-	-	++	-	-	-	-	-	-	-	-
	Foreman NGF 45563		Open grassl.	2700	12x 5	31x22	1.42	c.2	+	+	+	-	w	-	-	++	-	-	-	-	-	-	-	-
	Hartley 12800		Open grassl.	2700	14x 4	28x26	1.07	c.2	+	+	+	-	w	-	-	+	-	-	-	-	-	-	-	-
	vRoyen NGF 30101		Edge of shrubbery	3350	15x10	31x24	1.34	c.2	+	+	+	-	w	-	-	++	-	-	-	-	-	-	-	-
5 <i>pittosporoides</i>	Lam 2167	type	Open subalp.	3250	37x23	35x32	1.09	1-2	?	-	-	-	w	-	-	+	-	-	-	-	-	-	-	-
6 <i>subpittosporoides</i>	Brass and Meijer-Drees 10111		Shrubbery	3900	21x12	38x31	1.28	c.4	+	-	-	-	w	-	-	++	-	-	-	-	-	-	-	-
7 <i>papillata</i>	Kalkman 4504		Shrubbery	3380	20x 8	?	?	2-3	?	?	?	?	s/w	+	-	++	-	-	-	-	-	-	-	-
8 <i>crassipes</i>	vBalgooy 776		Edge of shrubbery	3750	55x30	36x23	1.55	1-2	+	-	-	-	w	+	+	++	-	-	-	-	-	-	-	-
	vBalgooy 180		Shrubbery	3800	45x25	37x24	1.57	1-2	+	-	-	-	s/w	-	-	+	-	-	-	-	-	-	-	-
9 <i>montis-wilhelmi</i>	Schodde 1839		Shrubbery	3505	27x10	33x24	1.38	3-4	+	-	-	+	w	+	+	++	-	-	-	-	-	-	-	-
	Vink 17108	Shade form	Shrubbery	3155	58x19	35x28	1.27	c.3	+	+	+	+	s	+	+	++	-	-	-	-	-	-	-	-
	Vink 17113		Shrubbery	3210	38x14	34x25	1.33	c.4	+	+	+	+	w	+	+	++	-	-	-	-	-	-	-	-
	Vink 17121	Exposed	Shrubbery	3340	32x13	34x24	1.43	c.3	+	+	+	+	w	+	+	++	-	-	-	-	-	-	-	-
	Ibid.	Not exposed			35x18	33x26	1.22	c.3	+	+	+	+	w	+	+	++	-	-	-	-	-	-	-	-
	Ibid.	Not exposed			41x18	34x26	1.30	c.3	+	+	+	+	w	+	+	++	-	-	-	-	-	-	-	-
	Ibid.	Water shoot			40x18	35x26	1.32	2-3	+	+	+	+	w	+	+	++	-	-	-	-	-	-	-	-
	Vink 17160	Shade form	Mossy forest	3140	41x18	38x26	1.46	c.4	+	+	+	+	w	+	+	++	-	-	-	-	-	-	-	-
	Vink 17392		Shrubbery	3555	22x11	34x24	1.41	2-3	+	+	+	+	w	+	+	++	-	-	-	-	-	-	-	-
	Vink 17394	Water shoot	Shrubbery	3555	35x15	34x25	1.35	2-3	+	+	+	+	w	+	+	++	-	-	-	-	-	-	-	-
	Ibid.	Exposed			30x12	34x24	1.41	2-3	+	+	+	+	w	+	+	++	-	-	-	-	-	-	-	-
	Vink 17415	Shade form	Mossy forest	3340	52x18	34x27	1.28	2-3	+	+	+	+	w	+	+	++	-	-	-	-	-	-	-	-
	Vink 17420		Open shrubbery	3380	23x 9	33x25	1.29	c.3	+	+	+	+	w	+	+	++	-	-	-	-	-	-	-	-
	Womersley NGF 18000		Shrubbery	3475	15x 7	38x26	1.45	c.4	+	?	-	-	w	+	-	+	-	-	-	-	-	-	-	-
cf. <i>montis-wilhelmi</i>	Pullen 5098		Shrubbery	3510	50x24	33x24	1.40	c.4	+	-	-	-	w	+	+	++	-	-	-	-	-	-	-	-
<i>montis-wilhelmi</i> x <i>heteromera</i>	Vink 17276		Mossy forest	3140	45x18	34x24	1.39	3-4	+	+	+	+	w	+	+	++	-	-	-	-	-	-	-	-
10 <i>giluwe</i>	Schodde 1999		Forest	2680	21x 9	29x20	1.50	c.1	-	+	c	-	l	+	+	+	-	-	-	-	-	-	-	-
	Vink 17163	Seedling	Mossy forest	3120	28x14	32x19	1.71	c.½	-	?	u	-	l	+	+	+	-	-	-	-	-	-	-	-
	Vink 17411	Xerom. form	Shrubbery	3375	19x 9	28x19	1.47	c.2	+	-	-	-	s	+	-	+	-	-	-	-	-	-	-	-
	Vink 17450		Forest	3155	32x11	28x18	1.53	c.1	-	+	c	-	l	+	+	++	-	-	-	-	-	-	-	-
	Vink 17315		Mossy forest	3300	40x12	30x17	1.70	c.1	-	+	c	-	l	+	-	+	+	-	-	-	-	-	-	-
	Frodin NGF 28243		Forest	2760	38x15	29x19	1.52	1-2	-	+	c	-	l	+	+	+	+	-	-	-	-	-	-	-
<i>giluwe</i> x <i>heteromera</i> ?	Vink 17412		Mossy forest	3340	83x27	32x22	1.49	1-2	+	+	u	-	l	+	+	+	-	-	-	-	-	-	-	-
11 <i>lamii</i>	Lam 1871	type	?	2900	25x 7	39x20	1.96	c.½	-	+	u	-	l	-	-	++	-	-	-	-	-	-	-	-
12 <i>nettoti</i>	vRoyen and Sleumer 7936		Open shrubbery	1920	32x11	30x19	1.58	c.½	-	+	u	+	l	-	-	++	-	-	-	-	-	-	-	-
	vRoyen and Sleumer 7972		Mossy forest	2100	?	28x20	1.41	c.½	-	+	u	+	l	-	-	++	-	-	-	-	-	-	-	-
	vRoyen and Sleumer 7457		Shrubbery	1920	35x11	29x19	1.53	c.½	-	+	u	+	l	-	-	++	-	-	-	-	-	-	-	-
cf. <i>nettoti</i>	Hartley TGH 12747		Mossy forest	2700	3x 2	36x19	1.91	c.½	-	-	u	-	l	+	-	+	-	-	-	-	-	-	-	-
13 <i>fistulosa</i>	Lam 1615	type	?	3250	20x 9	38x29	1.30	c.1	+	-	-	-	s	-	-	-	-	-	-	-	-	-	-	-
	Lam 1653	syntype	Open	3500	22x10	36x25	1.46	c.1	+	-	?	?	s	-	-	-	-	-	-	-	-	-	-	-
<i>fistulosa</i> ?	Lam 1630		?	3280	17x 8	34x25	1.24	1-2	+	-	-	-	s	+	-	-	-	-	-	-	-	-	-	-
14 <i>microphylla</i>	Brass 12006	Epiphyte	Mossy forest	1800	8x 4	41x22	1.86	c.½	-	+	u	-	l	-	-	++	-	-	-	-	-	-	-	-
<i>microphylla</i> ?	de Kock 61		?	2600	4x 2	39x20	1.95	c.½	-	+	u	+	l	-	-	++	-	-	-	-	-	-	-	-
15 <i>vaccinoides</i>	Kalkman and vZanten 4441	Epiphyte	Forest	2000	5x 3	40x21	1.90	c.½	-	+	u	+	l	-	-	++	-	-	-	-	-	-	-	-
16 <i>myrtoides</i>	Hoogland and Craven 10040	Epiphyte	Forest	?	24x 8	37x21	1.77	c.½	-	+	u	-	l	+	-	++	-	-	-	-	-	-	-	-
17 <i>elongata</i>	Janowsky 322	Epiphyte	Forest	1000	35x14	43x22	1.95	c.½	-	+	u	-	n	-	-	++	-	-	-	-	-	-	-	-
18 <i>acutifolia</i>	Eyma 4424		?	1700	50x19	33x17	1.90	c.1	-	-	u	+	l	+	-	+	-	-	-	-	-	-	-	-
19 <i>beccariana</i>	vRoyen and Sleumer 7960		Crest forest	2100	105x32	35x27	1.30	c.2	+	-	-	-	w	+	+	++	-	-	-	-	-	-	-	-
20 <i>buffelhoorn</i>	vRoyen 5178		Shrubbery	860	60x32	39x21	1.81	c.½	-	+	-	-	l	-	-	+	-	-	-	-	-	-	-	-
21 <i>robusta</i>	Sleumer and Vink BW 14132		Edge of forest	2300	130x50	31x25	1.27	2-3	+	-	-	+	s	-	-	++	-	-	-	-	-	-	-	-
22 <i>coriacea</i>	vRömer 1251	type	?	?	130x42	30x18	1.68	1-2	+	-	u	+	l	+	+	++	-	-	-	-	-	-	-	-
	Pulle 845		?	1900	130x40	32x20	1.64	c.1	+	+	u	+	s	+	-	++	-	-	-	-	-	-	-	-
	Vink 16927		Forest	2700	160x62	35x25	1.40	1-2	+	+	+	+	s	+	+	+	-	-	-	-	-	-	-	-
<i>coriacea</i> A	Womersley NGF 11347		Forest	2500	150x48	33x21	1.55	c.1	+	+	u	+	s	+	+	++	-	-	-	-	-	-	-	-
	Schodde 1690		Forest	2590	140x40	31x20	1.58	c.1	-	+	c	+	s	+	+	++	-	-	-	-	-	-	-	-
<i>coriacea</i> B	Womersley NGF 19360		Forest	2660	150x40	32x21	1.56	c.1	+	+	c	+	s	+	+	++	-	-	-	-	-	-	-	-
	Hoogland 9388		Forest	2280	155x46	37x22	1.71	c.1	-	+	c	+	s	+	+	++	-	-	-	-	-	-	-	-
23 <i>obovata</i>	Brass 11312		Forest	2200	?	32x21	1.56	c.1	-	+	c	-	s	-	-	++	-	-	-	-	-	-	-	-
24 <i>chartacea</i>	Vink 16820		Forest	1570	155x50	30x17	1.79	c.1	-	+	u	+	s	+	+	++	-	-	-	-	-	-	-	-
25 <i>heteromera</i> a	Brass and Collins 32155		Shrubbery	2530	97x38	35x19	1.80	1-2	+	+	-	+	s	+	+	+	-	-	-	-	-	-	-	-
<i>heteromera</i> b	Vink 17279		Shrubbery	3390	90x35</																			