

Table 2. Effect of drying methods, storage packaging and storage period on TMC average of spearmint

Drying methods (C)	Packaging (T)														
	Plastic			Jute Carton			Mean Plastic			Jute Carton			Mean		
	Storage period (P)														
	Sep. 2009			January 2010			May 2010			September 2010					
	<i>First season</i>														
Shade	6.50	7.00	12.2	8.00	9.1	6.00	15.00	10.0	9.1	8.00	21.0	10.0	9.1		
Direct sun	8.10	8.00	11.07	9.10	9.39	8.00	14.00	8.00	11	11.0	15.0	11.11	12.4		
Solar	1.70	0.80	1.48	0.81	1.03	1.00	2.00	1.50	1.5	1.3	2.00	1.50	1.6		
Mean	5.4	5.3	8.2	5.9		5.3	10.3	6.5		5.3	10.3	7.5			
L.S.D. at .05 for	T = 0.5, D = 0.5, P = 0.5, PX T = 1.88, P X D = 1.88, T X D = 1.88, P X T X D = 1.88														
	<i>Second season</i>														
Shade	5.00	5.9	12.2	8.37	8.82	6.47	17.22	9.83	11.17	7.57	20.5	11.5	13.19		
Direct sun	7.50	8.43	11.07	9.60	9.70	8.97	13.00	9.37	10.45	10.5	14.9	11.13	12.18		
Solar	1.75	0.88	1.48	0.91	1.09	0.99	1.80	1.18	1.32	1.22	2.47	1.38	1.69		
Mean	4.7	5.0	8.3	6.3		5.5	10.7	6.8	7.7	6.4	12.6	8.0	9.0		
L.S.D. at .05 for	T = 0.54, D = 0.54, P = 0.54, PX T = 1.90, P X D = 1.90, T X D = 1.90, P X T X D = 1.90														
	C: Drying methods			T: Packaging type			P: Storage period								

Drying methods (C)	Packaging (T)														
	Plastic			Jute Carton			Mean Plastic			Jute Carton			Mean		
	Storage period (P)														
	Sep. 2009			January 2010			May 2010			September 2010					
	<i>First season</i>														
Shade	6.50	7.00	12.2	8.00	9.1	6.00	15.00	10.0	9.1	8.00	21.0	10.0	9.1		
Direct sun	8.10	8.00	11.07	9.10	9.39	8.00	14.00	8.00	11	11.0	15.0	11.11	12.4		
Solar	1.70	0.80	1.48	0.81	1.03	1.00	2.00	1.50	1.5	1.3	2.00	1.50	1.6		
Mean	5.4	5.3	8.2	5.9		5.3	10.3	6.5		5.3	10.3	7.5			
L.S.D. at .05 for	T = 0.5, D = 0.5, P = 0.5, PX T = 1.88, P X D = 1.88, T X D = 1.88, P X T X D = 1.88														
	<i>Second season</i>														
Shade	5.00	5.9	12.2	8.37	8.82	6.47	17.22	9.83	11.17	7.57	20.5	11.5	13.19		
Direct sun	7.50	8.43	11.07	9.60	9.70	8.97	13.00	9.37	10.45	10.5	14.9	11.13	12.18		
Solar	1.75	0.88	1.48	0.91	1.09	0.99	1.80	1.18	1.32	1.22	2.47	1.38	1.69		
Mean	4.7	5.0	8.3	6.3		5.5	10.7	6.8	7.7	6.4	12.6	8.0	9.0		
L.S.D. at .05 for	T = 0.54, D = 0.54, P = 0.54, PX T = 1.90, P X D = 1.90, T X D = 1.90, P X T X D = 1.90														
	C: Drying methods			T: Packaging type			P: Storage period								

Table 3. Effect of drying methods, storage packaging and storage period on volatile oil percentage of spearmint.

Drying methods (D)	Packaging (T)												
	Plastic	Jute	Carton	Means	Plastic	Jute	Carton	Means	Plastic	Jute	Carton	Means	
	Storage period (P)												
	Sep. 2009	January 2010			May 2010			September 2010					
	First season												
Shade	1.56	1.45	1.3	1.42	1.39	1.33	1.19	1.40	1.3	1.15	0.99	1.14	1.3
Direct sun	1.53	1.45	1.36	1.42	1.41	1.24	1.29	1.37	1.3	0.99	1.02	1.18	1.06
Solar	1.62	1.13	1.28	1.36	1.25	0.88	1.06	1.39	1.25	0.82	1.12	1.35	1.25
Means	1.57	1.34	1.31	1.4	1.35	1.28	1.34	1.31	1.28	0.98	1.04	1.22	1.2
L.S.D. at .05 for	T= 0.147, C= 0.147, P = 0.155, P X T = 0.17, P X D= 0.19, T X D = 0.19, P X D X T= 0.19												
	Second season												
Shade	1.48	1.43	1.24	1.44	1.3	1.34	1.19	1.41	1.31	1.20	0.99	1.22	1.14
Direct sun	1.45	1.43	1.33	1.44	1.06	1.24	1.29	1.37	1.33	1.00	1.05	1.26	1.1
Solar	1.54	1.09	1.24	1.38	1.25	0.88	1.06	1.39	1.22	0.90	1.15	1.32	1.12
Means	1.49	1.31	1.27	1.42	1.2	1.15	1.18	1.39	1.24	1.03	1.06	1.26	1.12
L.S.D. at .05 for	T= 0.049, C= 0.049, P = 0.058, P X T = 0.18, P X D= 0.18, T X D = 0.18, P X D X T= 0.18												
	C: Drying system			T: Packaging type			P: Storage period						

Table 4. Effect of drying methods, storage packaging and storage period on Carvon percentage of spearmint oil.

Drying methods	Sep. 2009	January 2010				May 2010				September 2010			
		Packaging											
		Plastic	Jute	Carton	Means	Plastic	Jute	Carton	Mean	Plastic	Jute	Carton	Means
First season													
Shade	50.33	43.30	40.90	48.30	44.84	41.50	40.30	42.10	41.30	41.00	39.20	39.10	39.77
Direct sun	49.10	40.80	42.30	47.10	44.07	40.00	40.20	39.30	39.83	39.30	37.00	37.80	38.03
Solar	54.20	53.20	48.20	44.00	51.87	39.60	44.30	43.50	42.47	36.80	40.70	42.80	40.10
Means	51.21	45.80	43.80	46.50	45.30	40.40	41.60	41.00	41.00	39.03	38.90	40.00	39.31
Second season													
Shade	49.33	42.00	39.90	47.30	43.84	40.50	39.30	41.00	40.30	40.00	38.20	38.10	38.77
Direct sun	48.10	39.00	41.00	46.00	43.07	39.00	39.00	39.00	39.83	38.30	36.00	36.80	37.03
Solar	53.20	52.20	47.00	43.00	50.87	38.60	43.00	42.40	41.47	35.80	39.70	41.80	39.10
Means	50.21	44.00	42.30	45.30	44.30	39.40	40.10	39.50	40.00	40.00	37.90	39.00	38.31

Table 5. Effect of drying methods, storage packaging and storage period on Limonene percentage of spearmint oil.

Drying methods	Sep. 2009	January 2010				May 2010				September 2010			
		Packaging											
		Plastic	Jute	Carton	Means	Plastic	Jute	Carton	Means	Plastic	Jute	Carton	Means
<i>First season</i>													
Shade	33.10	28.10	27.10	28.10	27.77	24.80	28.10	27.30	26.73	20.20	26.00	23.20	23.13
Direct sun	32.10	30.90	25.70	27.90	28.17	25.10	21.30	28.30	24.90	20.90	23.10	25.40	22.80
Solar	37.30	28.00	29.60	37.00	31.53	19.30	27.90	35.10	27.43	18.20	27.20	31.90	25.78
Means	34.17	29.00	27.40	31.00	29.10	23.10	25.80	30.20	26.30	19.40	25.40	26.80	23.80
<i>Second season</i>													
Shade	34.10	29.10	28.10	29.10	28.77	25.80	29.10	28.30	27.73	21.20	27.00	24.20	24.13
Direct sun	33.10	31.90	26.70	28.90	29.17	26.10	22.30	29.30	25.90	20.90	24.10	26.40	23.80
Solar	38.30	29.00	30.60	38.00	32.53	20.30	28.90	36.10	28.43	19.20	28.20	32.90	26.78
Means	35.17	30.00	28.40	32.00	30.10	24.10	26.80	31.20	27.30	20.40	26.40	27.80	24.80

Table 6. Effect of drying methods, storage packaging and storage period on 1, 8-Cineole percentage of spearmint oil.

Drying methods	Sep. 2009	January 2010				May 2010				September 2010			
		Packaging											
		Plastic	Jute	Carton	Means	Plastic	Jute	Carton	Means	Plastic	Jute	Carton	Means
<i>First season</i>													
Shade	6.0	5.2	4.9	5.1	5.0	2.4	3.4	4.3	3.3	1.6	2.2	3.8	2.5
Direct sun	5.7	5.6	5.4	5.3	5.4	5.4	5.3	4.6	5.1	5.3	5.1	3.6	4.6
Solar	9.2	6.4	7.8	9.2	7.8	5.8	5.8	7.1	6.2	5.6	3.9	5.8	5.1
Means	7.00	5.7	6.1	6.4	6.0	4.5	4.8	5.3	4.8	4.1	3.7	4.4	4.0
<i>Second season</i>													
Shade	6.5	5.7	5.4	5.6	5.5	2.9	3.9	4.8	3.8	2.1	2.7	4.3	3.0
Direct sun	6.2	6.1	5.9	5.8	5.9	5.9	5.8	5.1	5.6	5.8	5.6	4.1	5.1
Solar	9.7	6.9	8.3	9.7	8.3	6.3	6.3	7.6	6.7	6.1	4.4	6.3	5.6
Means	7.47	6.2	6.6	6.9	6.5	5.0	5.3	5.8	5.3	4.6	4.2	4.9	4.5