

Table (2) Seasonal and monthly abundance of some ectoparasites collected from the body surface of *Rattus rattus frugivorus* in Fac. Agric. Farm, Assiut University during 2007-2009.

Seasons	Male								Female									
	Lice		Fleas		Mites+Ticks		Total		Lice		Fleas		Mites+Ticks		Total		G.Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Dec.	2	14.29	0	0	12	85.71	14	5.91	2	9.09	0	0	9	81.82	11	4.30	25	5.07
Jan.	0	0	1	12.50	7	87.50	8	3.38	1	20	1	20	3	60	5	1.95	13	2.64
Feb.	13	56.52	5	21.74	5	21.74	23	9.70	6	37.50	4	25	6	37.50	16	6.25	39	7.91
<b>Winter</b>	<b>15</b>	<b>33.33</b>	<b>6</b>	<b>13.34</b>	<b>24</b>	<b>53.33</b>	<b>45</b>	<b>18.99</b>	<b>9</b>	<b>28.12</b>	<b>5</b>	<b>15.63</b>	<b>18</b>	<b>56.25</b>	<b>32</b>	<b>12.50</b>	<b>77</b>	<b>15.62</b>
March	18	58.06	10	32.26	3	9.68	31	13.08	9	32.15	9	32.14	10	35.71	28	10.94	59	11.97
April	13	59.09	7	31.82	2	9.09	22	9.28	10	40	10	40	5	20	25	9.77	47	9.53
May	3	25	8	66.67	1	8.33	12	5.06	12	60	6	30	2	10	20	7.81	32	6.49
<b>Spring</b>	<b>34</b>	<b>52.31</b>	<b>25</b>	<b>38.46</b>	<b>6</b>	<b>9.23</b>	<b>65</b>	<b>27.42</b>	<b>31</b>	<b>42.46</b>	<b>25</b>	<b>34.25</b>	<b>17</b>	<b>23.29</b>	<b>73</b>	<b>28.52</b>	<b>138</b>	<b>27.99</b>
June	10	41.67	6	25	8	33.33	24	10.13	7	29.17	9	37.50	8	33.33	24	9.38	48	9.74
July	7	41.18	6	35.29	4	23.53	17	7.17	4	28.57	8	57.14	2	14.29	14	5.47	31	6.29
Aug.	7	46.67	2	13.33	6	40	15	6.33	2	12.50	6	37.50	8	50	16	6.25	31	6.28
<b>Summer</b>	<b>24</b>	<b>42.86</b>	<b>14</b>	<b>25</b>	<b>18</b>	<b>32.14</b>	<b>56</b>	<b>23.63</b>	<b>13</b>	<b>24.07</b>	<b>23</b>	<b>42.60</b>	<b>18</b>	<b>33.33</b>	<b>54</b>	<b>21.09</b>	<b>110</b>	<b>22.31</b>
Sept.	5	27.78	4	22.22	9	50	18	7.60	4	30.77	2	15.38	7	53.85	13	5.08	31	6.29
Oct.	13	52	2	8	10	40	25	10.55	50	83.33	1	1.67	9	15	60	23.44	85	17.24
Nov.	12	42.86	3	10.71	13	46.43	28	11.81	12	50	0	0	12	50	24	9.38	52	10.55
<b>Autumn</b>	<b>30</b>	<b>42.25</b>	<b>9</b>	<b>12.68</b>	<b>32</b>	<b>45.07</b>	<b>71</b>	<b>29.96</b>	<b>66</b>	<b>68.04</b>	<b>3</b>	<b>3.09</b>	<b>28</b>	<b>28.87</b>	<b>97</b>	<b>37.89</b>	<b>168</b>	<b>34.08</b>
<b>Total</b>	<b>103</b>	<b>43.46</b>	<b>54</b>	<b>22.78</b>	<b>80</b>	<b>33.76</b>	<b>237</b>	<b>100</b>	<b>119</b>	<b>46.48</b>	<b>56</b>	<b>21.88</b>	<b>81</b>	<b>31.64</b>	<b>256</b>	<b>100</b>	<b>493</b>	<b>100</b>

Table (3) Seasonal and monthly abundance of some ectoparasites collected from the body surface of *Rattus rattus alexandrinus* in Fac. Agric. Farm, Assiut University during 2007-2009.

Seasons	Male								Female									
	Lice		Fleas		Mites+Ticks		Total		Lice		Fleas		Mites+Ticks		Total		G.Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Dec.	2	18.18	5	45.46	4	36.36	11	6.36	2	18.18	4	36.36	5	45.46	11	5.42	22	5.85
Jan.	0	0	1	33.33	2	66.67	3	1.73	1	33.33	0	0	2	66.67	3	1.47	6	1.60
Feb.	1	16.66	1	16.67	4	66.67	6	3.47	1	50	0	0	1	50	2	0.99	8	2.13
<b>Winter</b>	<b>3</b>	<b>15</b>	<b>7</b>	<b>35</b>	<b>10</b>	<b>50</b>	<b>20</b>	<b>11.56</b>	<b>4</b>	<b>25</b>	<b>4</b>	<b>25</b>	<b>8</b>	<b>50</b>	<b>16</b>	<b>7.88</b>	<b>36</b>	<b>9.58</b>
March	2	13.34	2	13.33	11	73.33	15	8.67	6	21.43	2	7.14	20	71.43	28	13.80	43	11.44
April	12	46.16	2	7.69	12	46.15	26	15.03	9	26.47	3	8.82	22	64.71	34	16.75	60	15.96
May	10	41.67	0	0	14	58.33	24	13.87	10	37.04	5	18.52	12	44.44	27	13.30	51	13.56
<b>Spring</b>	<b>24</b>	<b>36.93</b>	<b>4</b>	<b>6.15</b>	<b>37</b>	<b>56.92</b>	<b>65</b>	<b>37.57</b>	<b>25</b>	<b>28.09</b>	<b>10</b>	<b>11.24</b>	<b>54</b>	<b>23.60</b>	<b>89</b>	<b>43.85</b>	<b>154</b>	<b>40.96</b>
June	4	11.76	7	20.59	23	67.65	34	19.65	4	25	6	37.50	6	37.50	16	7.88	50	13.29
July	3	14.29	5	23.81	13	61.90	21	12.14	2	11.76	7	41.18	8	47.06	17	8.37	38	10.11
Aug.	2	16.67	1	8.33	9	75	12	6.94	0	0	0	0	3	100	3	1.48	15	3.99
<b>Summer</b>	<b>9</b>	<b>13.43</b>	<b>13</b>	<b>19.40</b>	<b>45</b>	<b>67.16</b>	<b>67</b>	<b>38.73</b>	<b>6</b>	<b>16.67</b>	<b>13</b>	<b>36.11</b>	<b>17</b>	<b>47.22</b>	<b>36</b>	<b>17.73</b>	<b>103</b>	<b>27.39</b>
Sept.	0	0	1	50	1	50	2	1.16	2	14.29	1	7.14	11	78.57	14	6.90	16	4.25
Oct.	2	40	2	40	1	20	5	2.89	2	8.70	3	13.04	18	78.26	23	11.32	28	7.45
Nov.	6	42.86	4	28.57	4	28.57	14	8.09	0	0	6	24	19	76	25	12.32	39	10.37
<b>Autumn</b>	<b>8</b>	<b>38.10</b>	<b>7</b>	<b>33.33</b>	<b>6</b>	<b>28.57</b>	<b>21</b>	<b>12.14</b>	<b>4</b>	<b>6.45</b>	<b>10</b>	<b>16.13</b>	<b>48</b>	<b>77.42</b>	<b>62</b>	<b>30.54</b>	<b>83</b>	<b>22.07</b>
<b>Total</b>	<b>44</b>	<b>25.43</b>	<b>31</b>	<b>17.92</b>	<b>98</b>	<b>56.65</b>	<b>173</b>	<b>100</b>	<b>39</b>	<b>19.21</b>	<b>37</b>	<b>18.23</b>	<b>127</b>	<b>62.56</b>	<b>203</b>	<b>100</b>	<b>376</b>	<b>100</b>