

Table 1 The persistence of Dutch Tulip pollen (*Tulipa*).

| Material | 0 hrs | | 24 hrs | | 96 hrs | | 168 hrs | |
|-----------|-------|-----|--------|-------|--------|-------|---------|-------|
| | No. | % | No. | % | No. | % | No. | % |
| Acrylic | 297 | 100 | 194 | 65.32 | 69 | 23.23 | 44 | 14.81 |
| Cotton | 386 | 100 | 57 | 14.77 | 32 | 8.29 | 28 | 7.25 |
| Denim | 314 | 100 | 43 | 13.69 | 19 | 6.05 | 6 | 1.91 |
| Nylon | 93 | 100 | 43 | 46.24 | 15 | 16.13 | 4 | 4.30 |
| Polyester | 582 | 100 | 170 | 29.20 | 15 | 2.58 | 6 | 1.03 |
| Wool | 134 | 100 | 30 | 22.39 | 23 | 17.16 | 20 | 14.93 |

Table 2 The persistence of Daffodil pollen (*Narcissus*).

| Material | 0 hrs | | 24 hrs | | 96 hrs | | 168 hrs | |
|-----------|-------|-----|--------|-------|--------|-------|---------|-------|
| | No. | % | No. | % | No. | % | No. | % |
| Acrylic | 112 | 100 | 35 | 31.25 | 28 | 25.00 | 24 | 21.43 |
| Cotton | 76 | 100 | 43 | 56.58 | 25 | 32.89 | 12 | 15.78 |
| Denim | 61 | 100 | 19 | 31.15 | 9 | 14.75 | 2 | 3.28 |
| Nylon | 106 | 100 | 7 | 6.60 | 4 | 3.77 | 1 | 0.94 |
| Polyester | 72 | 100 | 14 | 19.44 | 8 | 11.11 | 2 | 2.78 |
| Wool | 53 | 100 | 28 | 52.83 | 18 | 33.96 | 11 | 20.75 |

Table 3 Average % retention for both daffodil and tulip pollen grains with all four material types.

| Pollen Type | 24 hrs elapsed | 96 hrs elapsed | 168 hrs elapsed |
|-------------|----------------|----------------|-----------------|
| Tulip | 31.94 | 12.24 | 7.37 |
| Daffodil | 32.98 | 20.25 | 10.83 |

Table 4 Average percentage retention for the four pollen grain types for 5 different material types used (compiled and modified from Candidate 2004).

| Pollen | 0hrs | 26hrs | 107hrs | 171hrs | 256.5hrs | 467hrs | 647hrs |
|---------------|-------------|--------------|---------------|---------------|-----------------|---------------|---------------|
| Lily | 100 | 9.36 | 11.82 | 5.42 | 4.93 | 3.45 | 1.97 |
| Sambucus | 100 | 12.35 | 24.69 | 3.70 | 4.94 | 2.47 | 1.23 |
| Pine | 100 | 5.07 | 5.43 | 5.07 | 2.90 | 2.54 | 1.45 |
| Hydrangea | 100 | 8.59 | 11.11 | 4.38 | 3.70 | 2.02 | 1.35 |

Table 5 Persistence of pollen grains: Aggregate after three runs (all materials) (compiled and modified from Candidate 2004).

| Pollen | Hand washing | Machine washing | Drycleaning |
|---------------|---------------------|------------------------|--------------------|
| Lily | 3 | 1 | 0 |
| Sambucus | 2 | 8 | 0 |
| Pine | 3 | 13 | 4 |
| Hydrangea | 4 | 9 | 0 |

Table 6 Total amount of pollen grains recovered from different materials after three runs of washing (compiled and modified from Candidate 2004).

| Method of washing | cotton | acrylic | wool | polyester |
|--------------------------|---------------|----------------|-------------|------------------|
| Drycleaning | 0 | 1 | 3 | 0 |
| Machine | 1 | 3 | 5 | 22 |
| Hand washing | 0 | 2 | 2 | 8 |

Table 9 Lighter flint particle persistence (in numbers) on nylon and viscose material for an 18 hour period (each value is the mean of three different runs).

| Material | Experiment | 0hrs | 1hr | 2hrs | 3hrs | 4hrs | 5hrs | 6hrs | 10hrs | 14hrs | 18hrs |
|-----------------|-------------------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|--------------|--------------|--------------|
| Viscose | 1 | 175.0 | 165.7 | 143.3 | 126.0 | 68.3 | 65.0 | 62.3 | 65.0 | 44.0 | 42.0 |
| | 2 | 138.3 | 116.7 | 80.0 | 80.3 | 61.7 | 55.3 | 43.3 | 39.7 | 30.0 | 28.3 |
| | 3 | 162.3 | 139.0 | 119.7 | 101.7 | 79.3 | 63.3 | 59.0 | 56.7 | 45.0 | 40.3 |
| | Mean | 158.5 | 140.5 | 114.3 | 102.7 | 70.0 | 61.2 | 54.9 | 53.8 | 39.7 | 36.9 |
| Nylon | 4 | 139.7 | 133.0 | 110.0 | 95.0 | 74.3 | 62.7 | 59.7 | 59.0 | 57.0 | 55.7 |
| | 5 | 162.0 | 138.3 | 119.0 | 104.7 | 84.3 | 77.0 | 75.0 | 62.0 | 56.0 | 43.3 |
| | 6 | 170.3 | 131.3 | 110.3 | 95.0 | 78.0 | 68.0 | 58.3 | 54.7 | 51.3 | 44.0 |
| | Mean | 157.3 | 134.2 | 113.1 | 98.2 | 78.9 | 69.2 | 64.3 | 58.6 | 54.8 | 47.7 |

Table 10 Lighter flint particle persistence (mean percentage recovered, each from three experiments) on nylon and viscose material for an 18 hour period.

| Material | 0hrs | 1hr | 2hrs | 3hrs | 4hrs | 5hrs | 6hrs | 10hrs | 14hrs | 18hrs |
|-----------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|
| Viscose | 100 | 88.6 | 72.1 | 64.8 | 44.2 | 38.6 | 34.6 | 33.9 | 25.0 | 23.3 |
| Nylon | 100 | 85.3 | 71.9 | 62.4 | 50.2 | 44.0 | 40.9 | 37.3 | 34.8 | 30.3 |