

**Dr. Duke's Phytochemical and Ethnobotanical Databases**

**List of Chemicals for Insectifuge**

| Chemical  | Dosage            |
|---|-------------------|
| (+)-(1S,10R)-1,10-DIMETHYLBICYCLO(4.4.0)-DEC-6-EN-3-ONE | --                |
| 1,8-CINEOLE   | --                |
| 2-NONENAL   | --                |
| 2-TRIDECANONE   | --                |
| 3-TETRADECENE   | --                |
| 4,8,13-DUVATRIEN-1,3-DIOL                               | --                |
| 4-TERPINEOL   | --                |
| ABROTINE  | --                |
| ADENINE   | --                |
| ALANTOLACTONE   | --                |
| ALLITHIAMIN   | 75-150 mg/man/day |
| ALPHA-AMYRIN  | --                |
| ALPHA-PINENE  | 50 ppm            |
| ALPHA-TERPINENE   | --                |
| ALPHA-VETINONE  | --                |
| AR-TURMERONE  | --                |
| ARACHINE  | --                |
| AZADIRACHTIN  | --                |
| BAKKENOLIDE-A   | --                |
| BENZALDEHYDE  | 50 ppm            |
| BENZOIC-ACID  | --                |
| BENZYL-BENZOATE   | --                |
| BETA-PINENE   | --                |
| BETA-TERPINEOL  | --                |
| BETA-THUJONE  | --                |
| BETA-VETINONE   | --                |
| BORNEOL   | --                |

| Chemical                   | Dosage |
|----------------------------|--------|
| BORNYL-ACETATE             | --     |
| CAFFEIC-ACID               | --     |
| CAMPHENE                   | --     |
| CAMPHOR                    | --     |
| CAPRYLIC-ACID-METHYL-ESTER | --     |
| CARVACROL                  | --     |
| CARVONE                    | --     |
| CARYOPHYLLENE              | --     |
| CARYOPHYLLENE-EPOXIDE      | --     |
| CHLOROGENIC-ACID           | --     |
| CICHORIIN                  | --     |
| CITRONELLAL                | --     |
| COSTULONIDE                | --     |
| CUCURBITACIN-B             | --     |
| CUCURBITACIN-D             | --     |
| CUCURBITACIN-E             | --     |
| D-LIMONENE                 | --     |
| DEHYDRO-ALPHA-LAPACHONE    | --     |
| DELTA-3-CARENE             | --     |
| DEMISSIDINE                | --     |
| DIALLYL-DISULFIDE          | --     |
| DOLICHODIAL                | --     |
| ELEMICIN                   | --     |
| ENT-ISOALANTOLACTONE       | --     |
| EPIZIZANAL                 | --     |
| ERYTHROPHLEINE             | --     |
| ESTRAGOLE                  | --     |

| Chemical                    | Dosage |
|-----------------------------|--------|
| EUCALYPTOL                  | --     |
| EUGENOL                     | --     |
| FERULIC-ACID                | --     |
| GAMMA-TERPINENE             | --     |
| GERANIOL                    | 50 ppm |
| GOSSYPOL                    | --     |
| GUAIACOL                    | --     |
| HELENALIN                   | --     |
| IPSDIENONE                  | --     |
| ISOALANTOLACTONE            | --     |
| ISOBORNEOL                  | --     |
| ISOBORNYL-ACETATE           | --     |
| KHUSIMONE                   | --     |
| L-DODECENE                  | --     |
| L-DOPA                      | --     |
| LAPACHANONE                 | --     |
| LAPACHOL                    | --     |
| LASIDIOL-ANGELATE           | --     |
| LIMONENE                    | --     |
| LINALOOL                    | --     |
| LINOFOLIN-A                 | --     |
| LINOLEIC-ACID               | --     |
| LINOLENIC-ACID-METHYL-ESTER | --     |
| MANDELIC-ACID               | --     |
| MELIANTRIOL                 | --     |
| MELIATIN                    | --     |
| METHYL-EUGENOL              | --     |

| Chemical          | Dosage   |
|-------------------|----------|
| METHYL-SALICYLATE | --       |
| MUFA              | --       |
| MUFAS             | --       |
| MYRCENE           | --       |
| NEPETALACTONE     | --       |
| NONANONE-3        | --       |
| OLEIC-ACID        | --       |
| OSAGIN            | --       |
| P-CYMENE          | --       |
| PHENETHYLAMINE    | --       |
| PHENYLETHYLAMINE  | --       |
| PHENYLHYDRAZINE   | --       |
| PINITOL           | --       |
| PIPERIDINE        | 50 ppm   |
| PIPERINE          | --       |
| PIPERITONE        | (> DEET) |
| POMIFERIN         | --       |
| PULEGONE          | --       |
| PYROCATECHOL      | --       |
| RYANODINE         | --       |
| SALANNIN          | --       |
| SALICYLIC-ACID    | --       |
| STACHYDRINE       | --       |
| TECTOQUINONE      | --       |
| TERPINEN-4-OL     | --       |
| TERPINEOL         | --       |
| TERPINEOL-ACETATE | --       |

| Chemical                      | Dosage            |
|-------------------------------|-------------------|
| TERPINYL-ACETATE              | --                |
| THIAMIN                       | 75-150 mg/man/day |
| THYMOL                        | --                |
| TRANS-BETA-FARNESENE          | --                |
| TRITHOLANIACINE               | --                |
| TURMERONE                     | --                |
| TYRAMINE                      | --                |
| UNDECYLENIC-ACID-METHYL-ESTER | --                |
| VERBENONE                     | --                |
| VITAMIN-B-1                   | 75-150 mg/man/day |
| XANTHOPHYLL                   | --                |
| ZIZANAL                       | --                |