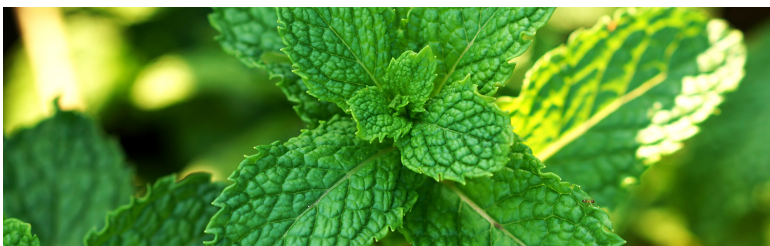


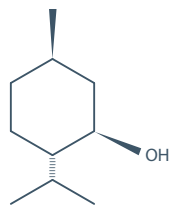
CHEMICALS IN MOSQUITO REPELLENTS



PEPPERMINT (OIL)

Major active compounds:
Terpenes (Pulegone, Menthol, Menthone, Limonene)

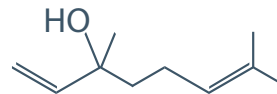
Minimal Risk Exemption with EPA



LAVENDER

Major active compounds:
Terpenes (Linalool, Eucalyptol, Camphor)

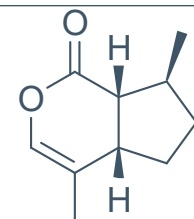
Minimal Risk Exemption with EPA



CATNIP (OIL)

Major active compounds:
Terpene (Nepetalactone)

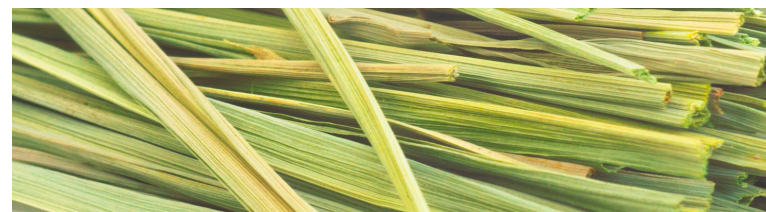
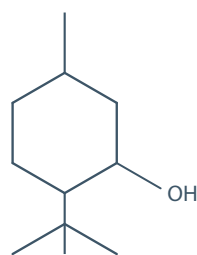
2006 – 4 Products Listed with EPA



OIL OF LEMON EUCALYPTUS

Major active compounds:
p-Methane-3 & 8-diol | Terpenes (Citronellol, Pinene, Caryophyllene)

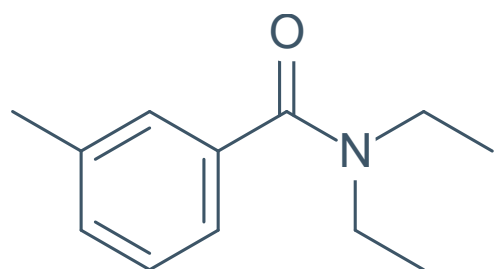
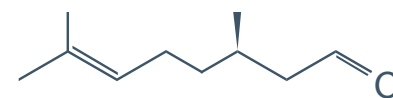
1997 – > 20 Registered Products and Many Unregistered Products



CITRONELLA (OIL)

Major active compounds:
Terpenes (Citronellol, Geraniol, Limonene)

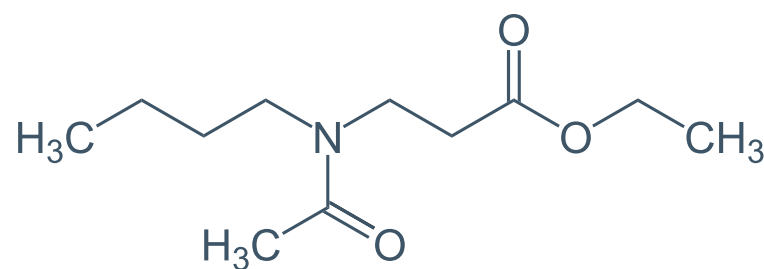
Derived from Cymbopogon sp. (Lemon Grass)
1948 – 3 Products Listed with EPA and Many Unregistered Products



DIETHYLTOLUAMIDE (DEET)

Most Common Repellent
Human Made Chemical

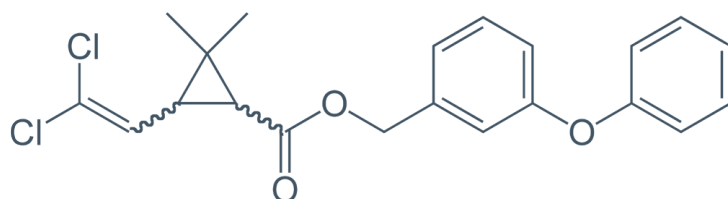
1957 –> 500 products listed with EPA



ETHYL BUTYLACETYLAMINOPROPIONATE (IR3535)

Human Made Chemical

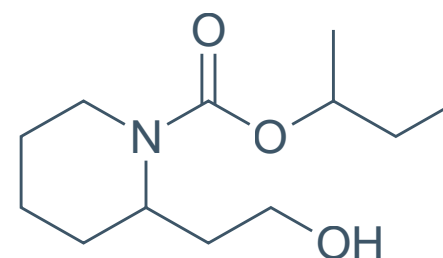
1999 – > 45 Products Listed with EPA



PERMETHRIN

Parts of Pyrethrins - Approved for Textile Applications
Natural and Human Made Chemical

1979



PICARIDIN OR ICARIDIN

Natural and Human Made Chemical

1999
> 40 Products Listed with EPA