

THE ANT WORLD

There are over 15,000 different species of ants in the world and no matter how interesting or fascinating they are as a subject, the fact remains that the few species found in the UK are totally unacceptable pests in the home and garden. We hope the following information will help you obtain the full benefits available from Nippon products.

The UK species of red and yellow ants are mainly carnivorous and are generally only an outdoor problem. Black ants however, are a species of sweet eaters; their natural food being honeydew, a secretion from aphids (greenfly, blackfly and whitefly) and other plant sap eating insects. Food is taken up by aphids in a volume which they cannot digest, thus, they produce a high and continual discharge of honeydew. Ants will farm the aphids and protect them against other predators. If you see black ants on your roses, vegetables, shrubs and fruit trees, you can be certain that the new growth of such plants is being attacked by sap sucking insects.

THE ANT PROBLEM INDOORS

It is the normal habit of ants to hibernate underground when cold weather arrives in early autumn. They will not reappear until the following Spring when the soil begins to warm up. When the colony awakes they are desperate for food and send out feeder or forager ants to collect food, which they bring back to the nest and pass on to the colony by their own special method of regurgitation. Black ants will be seeking sweet material, and in the absence of sufficient natural honeydew in May and June, will invade houses seeking sweet foods; sugar, honey, jam etc. Treatment at this stage is vital as if left alone, more and more ants will appear and may even transfer the nest into the house.

Under these conditions **Nippon Ant Killer Liquid** is the ideal treatment as it will be taken up as food and passed onto the rest of the colony where it normally destroys the nest within 7 to 10 days. Apply several drops of **Nippon Ant Killer Liquid** onto a hard surface near the ant 'runs' or where the ants are most active. When treating an ant problem in the house it is



important to try to find the point at which the ants emerge into the room. This may be some way from the area where they were first noticed. Ants follow a narrow trail to the source of food and can often be seen almost in single file, walking along skirting boards or the base of walls. Try to find this trail and follow it back as far as you can. Treatment should be carried out as close to the nesting site as possible. In this way the ants are prevented from finding a suitable alternative food source and cannot escape the Nippon treatment. Do not disturb or kill any ants which are feeding on the **Nippon Ant Killer Liquid** as it is essential that the feeder ants take the bait back to the nest. Repeat treatment putting down fresh Nippon daily, preferably in the early evening, until ants have completely disappeared.

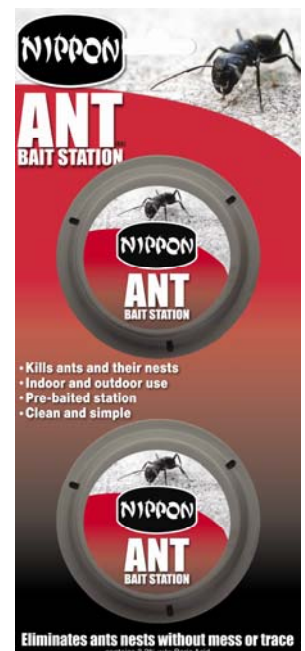


This treatment is also generally effective against ants in greenhouses; particularly those which do not have winter heating.

The establishment of an ant colony within the brickwork or under the floor of a house can be a major problem. If the nest is away from a heated area, normal hibernation will occur and treatment with **Nippon Ant Killer Liquid** is all that is required.

Ant activity within the house during the winter indicates that a nest is sited near a heating unit or hot water pipe. As the ants do not experience a seasonal drop in temperature, the colony never becomes inactive. Whilst this will reduce

their life span, it means that contact insecticides such as **Nippon Ant and Crawling Insect Killer** aerosol, **Nippon Ready To Use Ant and Crawling Insect Killer** trigger spray and **Nippon Ant Killer Powder** will be most effective as this time of year as the ants will only show limited interest in feeding, thus reducing the effectiveness of **Nippon Ant Killer Liquid**. Apply either the powder or aerosol to cracks and crevices in walls or floors where ants are seen. It should be possible to trace where the main nest is sited and continual treatment to the surrounding area will finally destroy the colony or cause it to move elsewhere.



THE ANT PROBLEM OUTDOORS

Nippon Ant Killer Liquid will only be effective if feeder ants are actively seeking food for the nest. **Nippon Ant Killer Powder** or **Nippon Ant and Crawling Insect Killer** aerosol and **Nippon Ready To Use Ant and Crawling Insect Killer** trigger spray should be used to treat all species which become a problem, particularly where they appear to be nesting near the home. During mid July to August the whole ant colony will be preparing for the mating flight and will lose interest in feeding. The ants become very excited as the new queens and males prepare to disperse. In these conditions only contact products such as **Nippon Ant Killer Powder**, **Nippon Ant and Crawling Insect Killer** aerosol or **Nippon Ready To Use Ant and Crawling Insect Killer** trigger spray will be effective. Ants can cause damage to plants by nesting within the root system and care should be taken when treating red, wood or yellow lawn ants as they can inflict an irritating bite. The Nippon range is not suitable for use on food crops. For this we recommend one of our Py Range (see below).



Nippon Ant Killer Powder, **Nippon Ant and Crawling Insect Killer** aerosol and **Nippon Ready To Use Ant and Crawling Insect Killer** trigger spray are effective against a wide range of crawling insects. Have them available in the caravan, or when camping or going on holiday, where ants can be a real menace. Both products will offer full protection by preventative or curative action. Remember if you see what appears to be a large number of ants, they will probably represent no more than 5% of the whole ant colony.

Nippon Ant and Crawling Insect Killer aerosol and **Nippon Ready To Use Ant and Crawling Insect Killer** trigger spray can also be used against cockroaches and a wide range of other crawling insects.

Nippon Ant Killer Liquid contains spinosad and is available in 30 ml tubes and

as part of the Ant Control System.

Nippon Ant Bait Station, containing spinosad, is a convenient, clean and easy to use pre-baited trap. Ready for use with a simple twist action.

Nippon Ant Killer Powder contains permethrin and is available in 150 g, 300 g and 500 g puffer applicator packs.

Nippon Ant and Crawling Insect Killer contains permethrin and teramethrin and is available as a 300 ml aerosol.

Nippon Ready To Use Ant and Crawling Insect Killer contains cypermethrin and is available in 750 ml trigger spray packs.

HOUSE AND GARDEN PLANTS

The Nippon range is not suitable for the control of insects on house and garden plants. We recommend you use our Py Range of natural garden and household insecticides. These contain natural pyrethrum and are available in powder, liquid concentrate and ready to use 'trigger spray' forms.

Py Powder is usually the most suitable for ants nesting around the roots of plants. It is not persistent and like all the Py Range has label recommendations for use on and around food crops.



When ants are found climbing over the plants themselves, this normally indicates the presence of aphids, from which the ants will be harvesting the honeydew. The Ready to Use **Py Spray Insect Killer** can be used for individual plants to control the aphids, forcing ants to go elsewhere for their food. For larger areas, the **Py Spray Garden Insect Killer** concentrate will be more suitable.

Py Garden Insect Killer Powder is available in 175 g applicator packs.

Py Garden Insect Killer Spray is available in 250 ml packs.

Py Spray Insect Killer RTU is available in 750 ml packs.



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