

| CANINE PARASITICIDES*   | SIMPARICA TRIO® | NEXGARD SPECTRA® | CREDELIO™ PLUS  | BRAVECTO QUANTUM™ | BRAVECTO®          | BRAVECTO® 1 MONTH             | BRAVECTO® SPOT-ON  | INTESTINAL PARASITE PREVALENCE 2004-5 <sup>1</sup>  | INTESTINAL PARASITE PREVALENCE 2004-5 <sup>1</sup>  | INTESTINAL PARASITE PREVALENCE 2004-5 <sup>1</sup>                 | HOOKWORM SPECIES PREVALENCE 2004-5 <sup>2</sup>  | INTESTINAL PARASITE PREVALENCE 2020-21 <sup>3</sup>  | GEOGRAPHIC DISTRIBUTION                      | ZOONOSIS          | PRE-PATENT PERIOD (PPP)/ LIFE CYCLE COMPLETION (LCC) |
|---|-----------------|------------------|-----------------|-------------------|--------------------|-------------------------------|--------------------|---|---|--|--|--|--|-------------------|--|
|   |                 |                  |                 |                   |                    |                               |                    | n = 590 refuge dog faecal samples analysed using macroscopic and microscopic methods (not ideal for detecting tapeworm spp) | n = 810 vet clinic dog faecal samples analysed using macroscopic and microscopic methods (not ideal for detecting tapeworm) | n = 1400 prevalence of combined refuge + vet clinic faecal samples | n = 1391 (568 refuge + 766 vet clinic + 57 indigenous community) dog faecal samples analysed using microscopic and PCR methods | n = 1581 dog faecal samples collected from dog parks, parks and beaches analysed using microscopic and PCR methods (apparent prevalence) |  |                   |  |
| Method of administration  | Chewable tablet | Chewable tablet  | Chewable tablet | Injection         | Chewable tablet    | Chewable tablet               | Spot-on            |   |   |  |  |  |  |                   |  |
| Minimum age   | 8 weeks         | 8 weeks          | 8 weeks         | 6 months          | 8 weeks            | 8 weeks                       | 8 weeks            |   |   |  |  |  |  |                   |  |
| Minimum weight  | 1.25kg          | 2kg              | 1.4kg           | NA                | 2kg                | 2kg                           | 2kg                |   |   |  |  |  |  |                   |  |
| Dosing interval   | 1 month         | 1 month          | 1 month         | 1 year            | Varies - see label | 1 month                       | Varies - see label |   |   |  |  |  |  |                   |  |
| Taste guarantee**   | ✓               | Unknown          | Unknown         | NA                | Unknown            | Unknown                       | NA                 |   |   |  |  |  |  |                   |  |
| Fleas (adult)   | ✓               | ✓                | ✓               | ✓                 | ✓                  | ✓                             | ✓                  |   |   |  |  |  | Widespread                                   | yes <sup>4</sup>  | 12-174 days (PPP) <sup>4</sup>                       |
| Fleas (prevention of egg-laying)                                | ✓               | ✓                | ✓               | ✓                 | ✓                  | ✓                             | ✓                  |   |   |  |  |  |  |                   |  |
| Flea Allergy Dermatitis   | ✓               | ✓                | ✓               | ✓                 | ✓                  | ✓                             | ✓                  |   |   |  |  |  |  |                   |  |
| Paralysis tick  | ✓               | ✓                | ✓               | ✓                 | ✓                  | ✓                             | ✓                  |   |   |  |  |  | Consult recent maps                          | yes <sup>5</sup>  | months to years (LCC) <sup>6</sup>                   |
| Brown Dog tick  | ✓               | ✓                | ✓               | ✓                 | ✓                  | ✓                             | ✓                  |   |   |  |  |  | Consult recent maps                          | no <sup>5</sup>   | months to years (LCC) <sup>6</sup>                   |
| Bush tick   | ✓               | ✓                | ✓               |                   | ✓                  | ✓                             |                    |   |   |  |  |  | Consult recent maps                          | no <sup>5</sup>   | months to years (LCC) <sup>6</sup>                   |
| Heartworm prevention  | ✓               | ✓                | ✓               |                   |                    |                               |                    |   |   |  |  |  | Endemic in mainland Australia                | yes <sup>7</sup>  | 6-9 months (PPP) <sup>7</sup>                        |
| Demodectic mange  | ✓(NEW)          | ✓                | ✓               |                   | ✓                  | ✓                             | ✓                  |   |   |  |  |  | Widespread                                   | no <sup>8</sup>   | 18-24 days (LCC) <sup>8</sup>                        |
| Sarcoptic mange   | ✓(NEW)          | ✓                |                 |                   | ✓                  |                               | ✓                  |   |   |  |  |  | Widespread                                   | yes <sup>8</sup>  | 14-21d days (LCC) <sup>8</sup>                       |
| Ear mites   | ✓(NEW)          | ✓                |                 |                   | ✓                  |                               | ✓                  |   |   |  |  |  | Widespread                                   | no <sup>8</sup>   | 21 days (LCC) <sup>8</sup>                           |
| Roundworm ( <i>Toxocara canis</i> ) (adult)                     | ✓               | ✓                | ✓               |                   |                    |                               |                    | 2.40%   | 0.40%   | 1.20%  |  | 0.60%  | Widespread                                   | yes <sup>7</sup>  | 2-4 weeks (PPP) <sup>7</sup>                         |
| Roundworm ( <i>Toxocara canis</i> ) (L5)                        | ✓               |                  | ✓               |                   |                    |                               |                    |   |   |  |  |  | Widespread                                   |                   |  |
| Roundworm ( <i>Toxascaris leonina</i> ) (adult)                 | ✓               | ✓                | ✓               |                   |                    |                               |                    | 0.00%   | 0.20%   | 0.10%  |  | 0.10%  | Widespread                                   | yes <sup>7</sup>  | 9 weeks (PPP) <sup>7</sup>                           |
| Hookworm spp combined prevalence                                |                 |                  |                 |                   |                    |                               |                    | 10.70%  | 3.90%   | 6.70%  | 6.90%  | 10.20%   | Widespread                                   | yes <sup>9</sup>  | 2-4 weeks (PPP) <sup>9</sup>                         |
| Hookworm ( <i>Ancylostoma caninum</i> ) (adult)                 | ✓               | ✓                | ✓               |                   |                    |                               |                    |   |   |  | 5.10%  | 8.90%  | Predominantly tropical and subtropical zones | yes <sup>7</sup>  | 2-3 weeks (PPP) <sup>7</sup>                         |
| Hookworm ( <i>Ancylostoma caninum</i> ) (L5)                    | ✓               |                  | ✓               |                   |                    |                               |                    |   |   |  |  |  | Predominantly tropical and subtropical zones |                   |  |
| Hookworm ( <i>Ancylostoma caninum</i> ) (L4)                    | ✓               |                  | ✓               |                   |                    |                               |                    |   |   |  |  |  | Predominantly tropical and subtropical zones |                   |  |
| Hookworm ( <i>Ancylostoma ceylanicum</i> ) (adult)              |                 | ✓                | ✓               |                   |                    |                               |                    |   |   |  | 0.71%  | 0.10%  | Mostly rural                                 | yes <sup>9</sup>  | 2-4 weeks (PPP) <sup>9</sup>                         |
| Hookworm ( <i>Ancylostoma ceylanicum</i> ) (L5)                 |                 |                  | ✓               |                   |                    |                               |                    |   |   |  |  |  | Mostly rural                                 |                   |  |
| Hookworm ( <i>Ancylostoma ceylanicum</i> ) (L4)                 |                 |                  | ✓               |                   |                    |                               |                    |   |   |  |  |  | Mostly rural                                 |                   |  |
| Hookworm ( <i>Ancylostoma braziliense</i> ) (adult)             |                 |                  | ✓               |                   |                    |                               |                    |   |   |  | 0.00%  | 0.00%  | North Queensland                             | yes <sup>9</sup>  | 2-4 weeks (PPP) <sup>9</sup>                         |
| Hookworm ( <i>Ancylostoma braziliense</i> ) (L5)                |                 |                  | ✓               |                   |                    |                               |                    |   |   |  |  |  | North Queensland                             |                   |  |
| Hookworm ( <i>Ancylostoma braziliense</i> ) (L4)                |                 |                  | ✓               |                   |                    |                               |                    |   |   |  |  |  | North Queensland                             |                   |  |
| Hookworm ( <i>Uncinaria stenocephala</i> ) (adult)              | ✓               |                  |                 |                   |                    |                               |                    |   |   |  | 0.86%  | 0.90%  | Temperate and sub-tropical zones             | yes <sup>9</sup>  | 2-4 weeks (PPP) <sup>9</sup>                         |
| Whipworm ( <i>Trichuris vulpis</i> ) (adult)                    |                 | ✓                | ✓               |                   |                    |                               |                    | 3.10%   | 0.90%   | 1.80%  |  | 1.30%  | Widespread                                   | no <sup>9</sup>   | 69-114 days (PPP) <sup>7</sup>                       |
| Flea tapeworm ( <i>Dipylidium caninum</i> ) prevention          | ✓(NEW)          | ✓                | ✓               |                   | ✓                  |                               | ✓                  | 0.30%   | 0.00%   | 0.10%  |  |  | Widespread                                   | yes <sup>10</sup> | 3-4 weeks (PPP) <sup>10</sup>                        |
| Flea tapeworm ( <i>Dipylidium caninum</i> ) kill                |                 |                  |                 |                   |                    |                               |                    | 0.30%   | 0.00%   | 0.10%  |  |  | Widespread                                   | yes <sup>10</sup> | 3-4 weeks (PPP) <sup>10</sup>                        |
| Hydatid tapeworm ( <i>Echinococcus granulosus</i> )             |                 |                  |                 |                   |                    |                               |                    | Not found in this study   | Not found in this study   | Not found in this study  |  |  | Mostly rural                                 | yes <sup>10</sup> | 4-6 weeks (PPP) <sup>10</sup>                        |
| Tapeworm ( <i>Taenia ovis</i> )                                 |                 |                  |                 |                   |                    |                               |                    | Not found in this study   | Not found in this study   | Not found in this study  |  |  | Mostly rural                                 | no <sup>10</sup>  | 6-16 weeks (PPP) <sup>10</sup>                       |
| Tapeworm ( <i>Taenia pisiformis</i> )                           |                 |                  |                 |                   |                    |                               |                    | Not found in this study   | Not found in this study   | Not found in this study  |  |  | Mostly rural                                 | no <sup>10</sup>  | 6-16 weeks (PPP) <sup>10</sup>                       |
| Tapeworm ( <i>Taenia hydatigena</i> )                           |                 |                  |                 |                   |                    |                               |                    | Not found in this study   | Not found in this study   | Not found in this study  |  |  | Mostly rural                                 | no <sup>10</sup>  | 6-16 weeks (PPP) <sup>10</sup>                       |
| Tapeworm ( <i>Spirometra erinacei</i> )                         |                 |                  |                 |                   |                    |                               |                    | 0.20%   | 0.10%   | 0.10%  |  |  | Widespread                                   | yes <sup>10</sup> | 10-30 days (PPP) <sup>10</sup>                       |
| <i>Strongyloides</i> spp  |                 |                  |                 |                   |                    |                               |                    |   |   |  |  | 1.20%  | Widespread                                   | yes <sup>10</sup> | 6-10 days (PPP) <sup>10</sup>                        |
| <i>Giardia</i> spp  |                 |                  |                 |                   |                    |                               |                    | 14.40%  | 5.50%   | 9.30%  |  |  | Widespread                                   | yes <sup>10</sup> | 3-14 days (PPP) <sup>10</sup>                        |
| Reproductive safety   | Unknown         | Female dogs only | Unknown         | Unknown           | All dogs           | Not recommended               | All dogs           |   |   |  |  |  |  |                   |  |
| 5 weeks approved duration for fleas and ticks                   | yes             | yes              | no              |                   |                    | Fleas and paralysis tick only |                    |   |   |  |  |  |  |                   |  |
| Approved as being safe to administer to heartworm-positive dogs | yes             | no               | no              | NA                | NA                 | NA                            | NA                 |   |   |  |  |  |  |                   |  |

**References:** \*Table reflects approved label claims for products listed as at September 2023. Subject to change. \*\*Taste guarantees are not an approved label claim. All rights reserved. NexGard Spectra is a registered trademark of Boehringer Ingelheim Animal Health France. Credelio is a registered trademark of Elanco Tiergesundheit AG. Bravecto and Bravecto Quantum are registered trademarks of Intervet International BV. **1.** Palmer C et al. Veterinary Parasitology 151 (2008) 181-190. **2.** Palmer C et al. Veterinary Parasitology 145 (2007) 304-313. **3.** Massetti L et al. International Journal for Parasitology 52 (2022) 637-646. **4.** Dryden MW. Biology of Fleas of Dogs and Cats (1993) Compendium Continuing Education. 15; 4: 569-578. **5.** Barker S and Barker D. MICROBIOLOGY AUSTRALIA (2018) In Focus. 10.1071/MA180622018. **6.** Barker S and Walker A. Ticks of Australia (2014) Zootaxa 3816 (1): 001-144. **7.** Saari S et al. Canine Parasites and Parasitic Diseases. Chapter 5 (2019) <https://doi.org/10.1016/B978-0-12-814112-0.00005-2>. **8.** Arther R. Mites and Lice: Biology and Control. Vet Clin Small Anim 39 (2009) 1159-1171. **9.** TroCCAP: Guidelines for the diagnosis, treatment and control of canine endoparasites in the tropics. Second Edition, 17-March-2019. **10.** Beveridge and Emery (2015) Australasian Animal Parasites - Inside and Out. MM-29077.

