Appendix 1. List of Approved Insecticides for On Animal treatment of Cattle for Tick Infestations.

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| --- | --- | --- | --- | --- |
| **Label & Product Name (kellysolutions.com/NC/)** | **EPA Reg. No.** | **Active Ingredient** | **Form.** | **Company** |
| [CO-RAL FLY & TICK SPRAY](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=CO%2DRAL+FLY+%26+TICK+SPRAY&EPA_Id=11556%2D115) | 11556-115 | Coumaphos | Spray | Elanco |
| [Y-TEX OPTIMIZER INSECTICIDE CATTLE EAR TAGS](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=Y%2DTEX+OPTIMIZER+INSECTICIDE+CATTLE+EAR+TAGS&EPA_Id=39039%2D3) | 39039-3 | Diazinon | Tag (aids control) | Y-Tex |
| [ECOVET FLY REPELLENT](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=ECOVET+FLY+REPELLENT&EPA_Id=87663%2D8%2D89942) | 87663-8-89942 | Fatty Acid Organic | Spray | EcoVet |
| [ELANCO RABON 50 WP INSECTICIDE](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=ELANCO+RABON+50+WP+INSECTICIDE&EPA_Id=11556%2D156) | 11556-156 | Tetrachlorvinphos | Spray | Elanco |
| [ELANCO RAVAP E.C. LIVESTOCK, POULTRY & PREMISE INSECTICIDE SPRAY](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=ELANCO+RAVAP+E%2EC%2E+LIVESTOCK%2C+POULTRY+%26+PREMISE+INSECTICIDE+SPRAY&EPA_Id=11556%2D162) | 11556-162 | Tetrachlorvinphos+vapona | Spray | Elanco |
| [ELANCO CATRON IV](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=ELANCO+CATRON+IV&EPA_Id=11556%2D171) | 11556-171 | Permethrin | Aerosol | Elanco |
| [ELANCO PERMECTRIN II](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=ELANCO+PERMECTRIN+II&EPA_Id=11556%2D166) | 11556-166 | Permethrin | Spray | Elanco |
| [AGRISEL ZONE-PLUS TERMITICIDE/INSECTICIDE WTH PERMETHRIN TURF/ORNAMENT](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=AGRISEL+ZONE%2DPLUS+TERMITICIDE%2FINSECTICIDE+WTH+PERMETHRIN+TURF%2FORNAMENT&EPA_Id=72159%2D9) | 72159-9 | Permethrin | Spray | Agrisel USA |
| [ATROBAN 11% EC](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=ATROBAN+11%25+EC&EPA_Id=773%2D59) | 773-59 | Permethrin | Spray | Intervet |
| [BOSS POUR-ON INSECTICIDE FOR BEEF & DAIRY CATTLE AND SHEEP](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=BOSS+POUR%2DON+INSECTICIDE+FOR+BEEF+%26+DAIRY+CATTLE+AND+SHEEP&EPA_Id=773%2D82) | 773-82 | Permethrin | Pour on | Intervet |
| [COUNTRY VET FARMGARD PERMETHRIN CONCENTRATE](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=COUNTRY+VET+FARMGARD+PERMETHRIN+CONCENTRATE&EPA_Id=4%2D350%2D10807) | 4-350-10807 | Permethrin | Spray | Amrep Inc. |
| [DELAVAL APPLICATOR FLY SPRAY (NCID: 20160139)](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=DELAVAL+APPLICATOR+FLY+SPRAY+%28NCID%3A+20160139%29&EPA_Id=47000%2D150%2D11388) | 47000-150-11388 | Permethrin | Pour on/backrubber | Delaval |
| [GORDON'S LIVESTOCK BACKRUBBER & POUR-ON](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=GORDON%27S+LIVESTOCK+BACKRUBBER+%26+POUR%2DON&EPA_Id=2217%2D861) | 2217-861 | Permethrin | Pour on/backrubber | PBI Gordon |
| [GORDON'S PERMETHRIN 10 LIVESTOCK & PREMISE SPRAY](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=GORDON%27S+PERMETHRIN+10+LIVESTOCK+%26+PREMISE+SPRAY&EPA_Id=2217%2D853) | 2217-853 | Permethrin | Spray/backrubber | PBI Gordon |
| [HI-YIELD INDOOR/OUTDOOR BROAD USE INSECTICIDE INCLUDING TURF, GARDENS](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=HI%2DYIELD+INDOOR%2FOUTDOOR+BROAD+USE+INSECTICIDE+INCLUDING+TURF%2C+GARDENS&EPA_Id=7401%2D455) | 7401-455 | Permethrin | Spray | Voluntary Purchasing |
| [INTERSECT 10% MULTI-PURPOSE INSECTICIDE](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=INTERSECT+10%25+MULTI%2DPURPOSE+INSECTICIDE&EPA_Id=53883%2D72%2D92720) | 53883-72-92720 | Permethrin | Spray | MWI Animal Health |
| [LIVESTOCK & POULTRY CONCENTRATE](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=LIVESTOCK+%26+POULTRY+CONCENTRATE&EPA_Id=1021%2D1736%2D48665) | 1021-1736-48665 | Permethrin | Spray | Shoo-fly |
| [MANNA PRO EQUINE FLY & MOSQUITO CONCENTRATE II](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=MANNA+PRO+EQUINE+FLY+%26+MOSQUITO+CONCENTRATE+II&EPA_Id=1021%2D1758%2D55392) | 1021-1758-55392 | Permethrin | Spray horses only | Manna Pro |
| [MARTIN'S PERMETHRIN 10% MULTIPURPOSE INSECTICIDE](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=MARTIN%27S+PERMETHRIN+10%25+MULTIPURPOSE+INSECTICIDE&EPA_Id=53883%2D72) | 53883-72 | Permethrin | Spray | Control Solutions |
| [PERMETHRIN 10% RAPID KILL INSECTICIDE CONCENTRATE](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=PERMETHRIN+10%25+RAPID+KILL+INSECTICIDE+CONCENTRATE&EPA_Id=47000%2D103%2D12281) | 47000-103-12281 | Permethrin | Spray | Durvet |
| [PROZAP BACKRUBBER & POUR-ON](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=PROZAP+BACKRUBBER+%26+POUR%2DON&EPA_Id=47000%2D89) | 47000-89 | Permethrin | Pour on/backrubber | Chem-Tech |
| [REVENGE BARN & STABLE FLY SPRAY CONCENTRATE](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=REVENGE+BARN+%26+STABLE+FLY+SPRAY+CONCENTRATE&EPA_Id=4%2D350) | 1021-1758-478 | Permethrin | Spray/backrubber | Bonide |
| [SCREW WORM AEROSOL](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=SCREW+WORM+AEROSOL&EPA_Id=47000%2D100%2D12281) | 829-295 | Permethrin | Aerosol | Durvet |
| [STARBAR E-PRO ADULTICIDE SPRAY](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=STARBAR+E%2DPRO+ADULTICIDE+SPRAY&EPA_Id=89459%2D66) | 47000-100-12281 | Permethrin | Spray | Central Garden & Pet |
| [TENGARD SFR ONE-SHOT TERMITICIDE/INSECTICIDE](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=TENGARD+SFR+ONE%2DSHOT+TERMITICIDE%2FINSECTICIDE&EPA_Id=70506%2D6) | 4-350-7138 | Permethrin | Spray | United Phosphorus |
| [Y-TEX BRUTE POUR-ON FOR CATTLE & SWINE WIPE ON FOR HORSES READY-TO-USE](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=Y%2DTEX+BRUTE+POUR%2DON+FOR+CATTLE+%26+SWINE+WIPE+ON+FOR+HORSES+READY%2DTO%2DUSE&EPA_Id=39039%2D7) | 10900-86-43428 | Permethrin | Pour on | Y-Tex |
| [Y-TEX GARDSTAR 40% EC LIVESTOCK AND PREMISE INSECTICIDE](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=Y%2DTEX+GARDSTAR+40%25+EC+LIVESTOCK+AND+PREMISE+INSECTICIDE&EPA_Id=39039%2D8) | 44446-62-38090 | Permethrin | Spray | Y-Tex |
| [GORDON'S DAIRY & LIVESTOCK DUST](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=GORDON%27S+DAIRY+%26+LIVESTOCK+DUST&EPA_Id=53883%2D33%2D2217) | 39039-7 | Permethrin | Dust (need full coverage) | Gordons |
| [PERMETHRIN 1% POUR-ON READY-TO-USE POUR-ON INSECTICIDE](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=PERMETHRIN+1%25+POUR%2DON+READY%2DTO%2DUSE+POUR%2DON+INSECTICIDE&EPA_Id=47000%2D150%2D12281) | 1021-2687-1270 | Permethrin | Pour on | Durvet |
| [PROZAP INSECTRIN X CONCENTRATE](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=PROZAP+INSECTRIN+X+CONCENTRATE&EPA_Id=47000%2D103) | 53883-33-2217 | Permethrin | Spray | Chem-Tech |
| [PROZAP SCREW WORM EAR TICK AEROSOL](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=PROZAP+SCREW+WORM+EAR+TICK+AEROSOL&EPA_Id=47000%2D100) | 47000-150-12281 | Permethrin | Aerosol | Chem-Tech |
| [INTERSECT LICE-BAN](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=INTERSECT+LICE%2DBAN&EPA_Id=53883%2D441%2D92720) | 1021-1861-2517 | Permethrin+  diflubenzuron | Pour on | MWI Animal Health |
| [PERMECTRIN CDS POUR-ON INSECTICIDE (NCID: 20210939)](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=PERMECTRIN+CDS+POUR%2DON+INSECTICIDE+%28NCID%3A+20210939%29&EPA_Id=11556%2D170) | 10900-86-74424 | Permethrin | Pour on | Elanco |
| [INTERSECT GOLD SYNERGIZED POUR-ON](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=INTERSECT+GOLD+SYNERGIZED+POUR%2DON&EPA_Id=53883%2D74%2D92720) | 53883-441-92720 | Permethrin + Diflubenzuron | Pour on | MWI Animal Health |
| [MARTIN'S FLY-BAN SYNERGIZED POUR-ON](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=MARTIN%27S+FLY%2DBAN+SYNERGIZED+POUR%2DON&EPA_Id=53883%2D74) | 11556-170 | Permethrin + PBO | Pour on/backrubber | Control Solutions |
| [PROZAP BACKRUBBER AND POUR-ON XTRA (NCID: 20201596)](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=PROZAP+BACKRUBBER+AND+POUR%2DON+XTRA+%28NCID%3A+20201596%29&EPA_Id=47000%2D96) | 11694-110-10637 | Permethrin + PBO | Pour on/backrubber | Chem-Tech |
| [PROZAP INSECTRIN CS](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=PROZAP+INSECTRIN+CS&EPA_Id=1021%2D1841%2D47000) | 40208-2 | Permethrin + PBO | Pour on/backrubber | Chem-Tech |
| [ULTRA BOSS POUR-ON INSECTICIDE FOR CATTLE, SHEEP, GOATS AND HORSES](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=ULTRA+BOSS+POUR%2DON+INSECTICIDE+FOR+CATTLE%2C+SHEEP%2C+GOATS+AND+HORSES&EPA_Id=773%2D84) | 53883-74-92720 | Permethrin + PBO | Pour on/backrubber | Intervet |
| [STARBAR PROLATE/LINTOX-HD INSECTICIDAL SPRAY & BACKRUBBER FOR LIVESTOC (NCID: 19981624)](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=STARBAR+PROLATE%2FLINTOX%2DHD+INSECTICIDAL+SPRAY+%26+BACKRUBBER+FOR+LIVESTOC+%28NCID%3A+19981624%29&EPA_Id=2724%2D262) | 1021-1841-47000 | Phosmet | Spray | Wellmark |
| [VET-KEM PARAMITE INSECTICIDAL SPRAY AND BACKRUBBER](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=VET%2DKEM+PARAMITE+INSECTICIDAL+SPRAY+AND+BACKRUBBER&EPA_Id=2724%2D262%2D92895) | 1021-1841-21165 | Phosmet | Spray | PRN Pharma |
| [PYGANIC CROP PROTECTION EC 5.0 II](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=PYGANIC+CROP+PROTECTION+EC+5%2E0+II&EPA_Id=1021%2D1772) | 53883-257 | Pyrethrin Organic | Pasture grasses | MGK |
| [PYGANIC SPECIALTY](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=PYGANIC+SPECIALTY&EPA_Id=1021%2D1772) | 2724-483 | Pyrethrin Organic | Spray | MGK |
| [Y-TEX PYTHON DUST LIVESTOCK INSECTICIDE](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=Y%2DTEX+PYTHON+DUST+LIVESTOCK+INSECTICIDE&EPA_Id=39039%2D9) | 1021-1772 | Zetacypermethrin +PBO | Dust (need full coverage) | Y-Tex |
| [Y-TEX PYTHON INSECTICIDE CATTLE EAR TAGS](http://www.kellysolutions.com/NC/showproductinfo.asp?Product_Name=Y%2DTEX+PYTHON+INSECTICIDE+CATTLE+EAR+TAGS&EPA_Id=39039%2D4) | 1021-1772 | Zetacypermethrin +PBO | Tag (aids control) | Y-Tex |