Gráfico 1 Valores médios do número de hemácias, concentração de hemoglobina e taxa de hematocrito, por estação, de bezerros dos grupos controle e tratado com Ivermectin, Florestal - MG, 1993 a 1994.
Gráfico 2 Valores médios dos índices hematimétricos, por estação, de bezerros dos grupos controle e tratado com Ivermectin, Florestal - MG, 1993 a 1994
Gráfico 4 Valores médios percentuais de neutrófilos segmentados (seg.) e linfócitos (linf.), por estação, de bezerras dos grupos controle e tratado com ivermectina, Florestal - MG, 1993 a 1994.
Gráfico 6 Valores médios do número de ovos por grama de fezes Log (opg+1) e larvas por grama de fezes Log (lpg+1), por estação, de bezerros dos grupos controle e tratado com Ivermectina, Florestal - MG, 1993 a 1994.
Gráfico 7 Médias percentuais de larvas de helmintos, por estação, obtidas das coproculturas de bezerros do grupo controle, Florestal - MG, 1993 a 1994
Gráfico 8: Médias de larvas de helmintos, por estação, obtidas das coproculturas de bezerrinhas do grupo tratado com Ivermectina, Florestal - MG, 1993 a 1994.
Gráfico 9: Valores médios do peso (kg), por estação, de bezerros dos grupos controle e tratado com Ivermectina, Florestal - MG, 1993 a 1994.

Eixo X: Peso (kg)
Eixo Y: Chuva e Seca
5 CONCLUSÕES

Nas condições em que foi realizado o experimento conclui-se que:

1. A baixa infecção por helmintos gastrintestinais, principalmente hematófagos, não causam alterações no eritrograma de bovinos.

2. As infecções helminticas induzem aumento de leucócitos totais, neutrófilos segmentados, eosinófilos, e redução de linfócitos, na estação chuvosa.

3. Os principais gêneros de nematódeos encontrados foram Cooperia, Haemonchus, Oesophagostomum, Trichostrongylus e Bunostomum com predominância do gênero Cooperia.

4. O aumento da idade dos bezerrinhos leva a uma redução do percentual de larvas de Cooperia.

5. O aumento da idade dos bezerrinhos leva a um aumento do percentual de larvas de Haemonchus, Oesophagostomum, Trichostrongylus e Bunostomum.

6. Durante o período chuvoso ocorre aumento do número de ovos por grama de fezes da ordem Strongylidea.

7. O tratamento mensal com Ivermectin (200 mcg/kg) leva a um ganho de peso de bezerrinhos.
6. APÊNDICE

Os valores médios por animal e por estação dos 252 hemogramas, contagem de ovos por grama de fezes (opg), larvas por grama de fezes (lpg), coproculturas realizados em amostras de sangue e fezes, e peso mensal dos animais, dos grupos controle e tratado com Ivermectin, estão apresentados em Tabelas, sendo as correspondentes de A-L referentes às variáveis hematológicas; e as de M-T referentes ao opg, lpg, Cooperia, Haemonchus, Oesophagostomum, Bunostomum e peso dos animais.

Tabela A: Valor médio por animal e por estação das contagens de hemácias x 10^4 (milhões por mm^3), de bezerros dos grupos controle e tratado com Ivermectin, em Florestal-MG, 1993 a 1994.

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Tabela B- Valor médio por animal e por estação da concentração de hemoglobina (gramas/ 100 ml), de bezerros dos grupos controle e tratado com ivermectin, em Florestal-MG, 1993 a 1994.

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Tabela C- Valor médio por animal e por estação do hematócrito (%), de bezerros dos grupos controle e tratado com Ivermectin, em Florestal-MG, 1993 a 1994.

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Tabela D- Valor médio por animal e por estação do volume corpuscular médio (VCM), de bezerras dos grupos controle e tratado com Ivermectin, em Florestal-MG, 1993 a 1994.

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Tabela E- Valor médio por animal e por estação da hemoglobina corpuscular média (HCM), de bezerros dos grupo controle e tratado com Ivermectin, em Florestal-MG, 1993 a 1994.

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Tabela F - Valor médio por animal e por estação da concentração de hemoglobina corpuscular média (CHCM), de bezerros dos grupos controle e tratado com Ivermectin, em Florestal-MG, 1993 a 1994.

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Tabela G- Valor médio por animal e por estação das contagens de leucócitos x 10³ (mil por mm³), de bezerros dos grupos controle e tratado com Ivermectin. em Florestal-MG. 1993 a 1994.

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Tabela H - Valor médio por animal e por estação das contagens percentuais de neutrófilos segmentado, de bezerros dos grupos controle e tratado com Ivermectin, em Florestal-MG. 1993 a 1994.

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Tabela K - Valor médio por animal e por estação das contagens percentuais de eosinófilos, de bezerros dos grupos controle e tratado com Ivermectin, em Florestal-MG, 1993 a 1994.

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SUMMARY

The effect of nematode infections on hematological parameters and weight gain was evaluated in calves over a period of 18 months in a county of Minas Gerais State. Fourteen crossbred calves (ages between three and four months) were divided into two groups: group one received anti-helmintic treatment and group two was the control. All animals were monitored monthly by hematological parameters, eggs per gram of feces, culture of nematode larvae and weight gain. In each group, there were significant differences between erythrocytes counts, hemoglobin concentration and hematocrit over the period. Total leucocytes, neutrophils and eosinophils increased and lymphocytes decreased during the rainsing season. No significant differences were observed between the two groups. In both groups, egg counts decreased as the animals aged and significant differences between the two groups were observed after the rainsing season. The most common nematode larvae obtained from cultura was Cooperia, followed by Haemonchus, Oesophagostomum, Trichostrongylus e Bunostomum. There was significant difference in weight gain between the two groups.

Key word: bovine, nematode, hematology.
7 REFERÊNCIAS BIBLIOGRÁFICAS


