This work reports homeopathic treatment of Dermatobia hominis infestation in dairy cattle in Minas Gerais State. Cattle grazed on Brachiaria decumbens pasture with proteinated salt supplement. 40 females to Zebu-Holstein crosses were used divided in 2 groups, each with 10 cows and 10 heifers, all naturally infested with D. hominis larvae (number of larvae 75+64 and 56+44 respectively). One group was treated with isotherapic drug 12 DH and the other was the control. Medication was administered orally mixed to the salt for 35 days, during spring when highest infestation in this region occurs. After 15 days was observed 50% volume and number reduction of larvae nodules. After 32 days results were evident with complete interruption of cycle of D. hominis followed by fine healing. Since pastures were only 100m apart, dynamic infection of the control group was observed, which after 38 days was also clean.