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| Drug | Dosage | Withdrawal time | Contraindications | Toxic dose |
| Xylazine | 0.1-0.3 mg/kg | Beef cattle: 5 days  Dairy cattle: 3 days | Not to be administered to animals with oesophageal obstruction, and torsion of the stomach or with renal or hepatic failure, respiratory dysfunction, cardiac abnormalities, hypotension and/or shock | 15-30mg/kg |
| Ketamine | 2 mg/kg | Beef cattle: 3 days  Dairy cattle: 2 days | Not to be administered to animals with chronic renal disease | Wide therapeutic index |
| Tolazoline | 0.2-0.5 mg/kg | N/A | Not to be administered to animals exhibiting signs of stress, debilitation, cardiac disease, sympathetic blockage, hypovolemia or shock. | >3mg/kg |