

HORN GROWTH OF BUFFALO RELATED TO AGE IN YEARS. Pienaar (1969)

| GROWTH FORM | AGE | AGE GROUP |
|--|------------|------------------|
| Strong upward growth in V shape | <1 | Calf |
| Upwards, with slight outward curve; length 300 to 460 mm | 1- 2 | Juvenile |
| Growth outwards with tips towards each other; length along curvature 410 to 690 mm | >2-3 | Sub-adults |
| Continuation of above process with thickening of the boss in bulls; length 610 to 860 mm | >3-4 | Sub-adults |
| Adult shape attained, tips sweep backwards, dip and widening of curvature | >4-5 | Cows |
| Boss will develop, covered by hairy skin | >5-6 | Bulls |
| Horn layers grow forward to centre of the skull with a little patch of skin in between | >6-7 | Bulls |
| Horn layers meet, horn tips worn away | >7 | Old bulls |

Pienaar, U. de V. (1969). Observations on developmental biology, growth and some aspects of the population ecology of the African buffalo (*Syncerus caffer caffer* Sparrman) in the Kruger National Park. Koedoe, 12: 29 – 52.