



**EMBRAPA**

EMPRESA BRASILEIRA DE PESQUISA AGROPECUÁRIA

DEPARTAMENTO DE INFORMAÇÃO E DOCUMENTAÇÃO ( DID )



VEÍCULO DE COMUNICAÇÃO DE DOCUMENTOS  
IDENTIFICADOS COM SUBPROJETOS DE PESQUI  
SA, PRODUZIDO PELO SERVIÇO DE DISSEMINA  
ÇÃO SELETIVA DE INFORMAÇÃO.

Brasília, DF  
jan / 1975

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DEPARTAMENTO DE INFORMAÇÃO E DOCUMENTAÇÃO ( DID )

UMA ALTERNATIVA DE DISSEMINAÇÃO SELETIVA DE INFORMAÇÃO (DSI) PARA O CONTEXTO ATUAL.

Aos Pesquisadores.

1. A difusão de tecnologia para os usuários econômicos (produtores em geral) determina mudanças no processo de produção, aumentando a eficiência econômica e social dos sistemas.
2. A difusão de tecnologia requer um processo de geração de conhecimentos e inovações no qual o pesquisador, através do desempenho, é componente da mais alta significância.
3. O desempenho do pesquisador é, em grande parte, decorrente da sua capacitação técnico-científica.
4. O nível de capacitação técnico-científica é função da atualização dos conhecimentos, isto é, da interação entre o pesquisador e a informação.
5. A Disseminação Seletiva de Informação (DSI) é dos mais relevantes recursos técnicos para garantir a atualização informacional do pesquisador.
6. A DSI em operação consiste basicamente na análise, seleção, identificação de informações técnico-científicas com subprojetos e remessa de cópias xerox para diferentes Unidades de Execução da EMBRAPA e das Empresas Estaduais, em função da interação produto x linha de pesquisa. Todas as cópias incorporar-se-ão ao acervo da Unidade.
7. Desempenhando suas funções no DID, pesquisadores da EMBRAPA, todos com Mestrado, operam o sistema com base no constante rastreamento da literatura mundial recente sobre os produtos prioritários em âmbito nacional (arroz, algodão, amendoim, banana, batata, café, cana de açúcar, cacau, citros, feijão, fumo, milho, mandioca, soja e trigo; aves, suínos e bovinos — incluindo forrageiras e pastagens).
8. Periodicamente todos os pesquisadores cujos nomes constem dos subprojetos dos produtos citados receberão o VECOM, VEículo de COMunicação de documentos identificados com subprojetos. Os Chefes de Unidades, com base nos Coordenadores de Projetos, informarão o DID sobre a inclusão ou exclusão de pesquisadores, para fins de controle de remessa de VECOM.
9. O VECOM é uma espécie de boletim no qual as informações são listadas por linha de pesquisa. Cada informação consta de título, código e elementos alfanuméricos da fonte (nome, número, ano, etc.). Cada produto prioritário tem o seu próprio VECOM e é através dele que o pesquisador fica sabendo da disponibilidade, para consulta, de cópias xerox de documentos.
10. Somente os Centros Nacionais receberão cópias xerox de todos os documentos referentes aos respectivos produtos, independente de linhas de pesquisa.
11. Os pesquisadores de outras entidades (professores universitários, p.ex.), isto é, que não pertençam a EMBRAPA ou a qualquer das Empresas Estaduais, também receberão o VECOM que lhes servirá de instrumento de alerta técnico-científica. No caso o DID não enviará cópias xerox para tais Unidades.
12. O principal objetivo da DSI em operação é influenciar significativamente o nível de capacitação técnico-científica do pesquisador, contribuindo para que o mesmo aumente o seu desempenho como gerador de conhecimentos científicos e inovações tecnológicas.
13. A DSI em operação não traduz a palavra final em termos de cobertura informacional e modus operandi, mas apenas uma alternativa viável para o contexto atual.

230 - B O V I N O S

2130 - FISIOLOGIA DE FORRAGEIRAS

- 1 - COMPETITIVE INTERACTION OF GRASSES WITH CONTRASTING TEMPERATURE RESPONSES AND WATER STRESS TOLERANCES.  
( 230.2130/1 )  
Australian Journal of Agricultural Research, 25(2):  
227-246. 1974.
- 2 - STUDIES ON THE PRODUCTIVITY OF TROPICAL PASTURE PLANTS. IV. SEPARATION OF PHOTOSYNTHETIC AND RESPIRATORY COMPONENTS OF NET ASSIMILATION RATE BY GROWTH ANALYSIS AND GAS EXCHANGE TECHNIQUES UNDER NATURAL LIGHTING.  
( 230.2130/2 )  
Australian Journal of Agricultural Research, 25(3):  
415-424. 1974.
- 3 - STUDIES ON THE PRODUCTIVITY OF TROPICAL PASTURES PLANTS. V. EFFECT OF SHADING ON GROWTH, PHOTOSYNTHESIS AND RESPIRATION IN TWO GRASSES AND TWO LEGUMES.  
( 230.2130/3 ).  
Australian Journal of Agricultural Research, 25(3):  
425-433. 1974.

2510 - GENÉTICA E MELHORAMENTO DE FORRAGEIRAS

- 1 - INHERITANCE OF NUTRITIVE QUALITY OF SUMMER HERBAGE IN PHALARIS TUBEROSA L.  
( 230.2510/1 ) e 230.3400/18.  
Australian Journal of Agricultural Research, 25(2):  
265-274. 1974.
- 2 - THE GENETIC RELATIONSHIP BETWEEN THE DIGESTIBILITY OF LEAF, STEM AND WHOLE PLANT IN SETARIA.  
( 230.2510/2 ) e 230.3400/19.  
Australian Journal of Agricultural Research, 25(3):  
401-406. 1974.

2600 - SEMENTES

- 1 - THE YIELD AND QUALITY OF PHALARIS SEED HARVESTED PRIOR TO MATURITY.  
( 230.2600/1 )  
Australian Journal of Agricultural Research, 25 (2):  
259-264. 1974.
- 2 - RESPONSES OF RANGE GRASS SEEDS TO WINTER ENVIRONMENTS.  
( 230.2600/2 )  
Journal of Range Management, 27(2): 120-122. 1974.
- 3 - RELATIONSHIPS AMONG RATE AND DURATION OF FLOWERING AND SEED YIELD COMPONENTS IN SUBTERRANEAN CLOVER (TRI-FOLIUM SUBTERRANEUM).  
( 230.2600/3 )  
Australian Journal of Agricultural Research, 25(3):  
435-442. 1974.

3100 - AVALIAÇÃO AGRONÔMICA DE FORRAGEIRAS E FORMAÇÃO E MANEJO DE PASTAGENS

- 1 - THE EFFECT OF FERTILIZER AND GRAZING ON THE BOTANICAL COMPOSITION AND OUTPUT OF AN AGROSTIS-FESTUCA SWARD.  
( 230.3100/1 ).  
Journal of the British Grassland Society, 29(1):  
29-35. 1974.
- 2 - INTENSIVE SET-STOCKING OF DAIRY COWS.  
( 230.3100/2 ).  
Journal of the British Grassland Society, 29 (1):  
63-67. 1974.
- 3 - STUDIES OF RESPONSE TO FERTILIZER NITROGEN. PART 6. RESIDUAL RESPONSES AS NITROGEN UPTAKE.  
( 230.3100/3 ).  
Journal of the British Grassland Society, 29 (1):  
69-73. 1974.
- 4 - PRODUCTION OF COW-CALF HERDS: EFFECT OF BURNING NATIVE RANGE AND SUPPLEMENTAL FEEDING.  
( 230.3100/4 ).  
Journal of Range Management, 27(2): 136-139. 1974.

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- 5 - PRODUCTIVITY AND DYNAMICS OF TWO SIRATRO BASED PASTURES IN THE BURNETT COASTAL FOOTHILLS OF SOUTH EAST QUEENSLAND.  
( 230.3100/5 ).  
Tropical Grassland, 8(1): 17-24. 1974.
- 6 - REARING OF DAIRY CATTLE. 5. THE EFFECT OF STOCKING RATE ON ANIMAL AND HERBAGE PRODUCTION IN A GRAZING SYSTEM FOR CALVES AND HEIFERS.  
( 230.3100/6 ).  
Animal Production, 18(3): 273-284. 1974.
- 7 - CLASSIFYING GRASSLAND VEGETATION WITH A DIVERSITY INDEX.  
( 230.3100/7 ).  
Journal of Range Management, 27(3): 240-243. 1974.

3400 - NUTRIÇÃO DE RUMINANTES E AVALIAÇÃO QUALITATIVA DE FORRAGENS

- 1 - A STUDY OF THE EFFECT OF EXPOSURE IN THE RETICULO-RUMEN OF THE COW ON THE STRENGTH OF COTTON, GRASS, HAY AND STRAW.  
( 230.3400/1 ).  
The British Journal of Nutrition, 31(3): 273-284. 1974
- 2 - THE EFFECT OF CHANGES OF DIETARY CALCIUM CONCENTRATION ON CALCIUM METABOLISM IN SHEEP.  
( 230.3400/2 ).  
The British Journal of Nutrition, 31(3): 319-331. 1974
- 3 - CHANGES IN NITROGENOUS COMPOUNDS OF THE WHOLE CORN PLANT DURING ENSILING AND SUBSEQUENT EFFECTS ON DRY MATTER INTAKE BY SHEEP.  
( 230.3400/3 ).  
Journal of Animal Science, 39(3): 629-637. 1974.
- 4 - PREDICTING ORGANIC-MATTER DIGESTIBILITY FROM "IN VIVO" AND "IN VITRO" DETERMINATIONS OF DRY-MATTER DIGESTIBILITY.  
( 230.3400/4 ).  
Journal of the British Grassland Society, 29(1): 17-21. 1974.

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- 5 - A NOTE ON THE ERROR IN CALCULATING ORGANIC MATTER DIGESTIBILITY FROM DRY-MATTER DIGESTIBILITY.  
( 230.3400/5 ) e 230.8100/1 .  
Journal of the British Grassland Society, 29(1):  
23-24. 1974.
- 6 - THE EFFECT OF CUTTING HEIGHT AND NITROGEN LEVEL ON THE YIELD, "IN VITRO" DIGESTIBILITY AND CHEMICAL COMPOSITION OF ITALIAN RYEGRASS SWARDS.  
( 230.3400/6 ).  
Journal of the British Grassland Society, 29(1):  
57-62. 1974.
- 7 - SOYBEAN MEAL VERSUS STAREA AT TWO CONCENTRATION FOR YOUNG CALVES.  
( 230.3400/7 ).  
Journal of Dairy Science, 57(4): 427-429. 1974.
- 8 - PERFORMANCE OF DAIRY COWS FED ACID-TREATED HIGH MOISTURE SHELLD CORN.  
( 230.3400/8 ).  
Journal of Dairy Science, 57(4): 439-442. 1974.
- 9 - CASTOR MEAL IN DAIRY RATIONS .  
( 230.3400/9 ).  
Journal of Dairy Science, 57(4): 443-450. 1974.
- 10- FEEDING HIGH ENERGY RATIONS FOR LENGTHS OF LACTATION.  
( 230.3400/10 ).  
Journal of Dairy Science, 57(4): 459-462. 1974.
- 11- VARIABLE GRAIN INTAKE DURING TWO PORTIONS OF THE LACTATION.  
( 230.3400/11 ).  
Journal of Dairy Science, 57(4): 463-471. 1974.
- 12- A MODEL TO ESTIMATE THE PALATABILITY OF SEVERAL CALF STARTER RATIONS.  
( 230.3400/12 ) e 230.8100/4 .  
Journal of Dairy Science, 57(4): 482-484. 1974.
- 13- COLLECTION AND MEASUREMENT OF GASES PRODUCED DURING "IN VITRO" FERMENTATION.  
( 230.3400/13 ).  
Journal of Dairy Science, 57(4): 485-487. 1974.

- 14- THE EFFECT OF DIFFERENT PROPORTIONS OF DRIED GRASS AND CONCENTRATES IN THE DIET ON VOLUNTARY INTAKE AND PERFORMANCE OF CALVES.  
( 230.3400/14 ).  
Animal Production, 18(1): 49-58. 1974
- 15- A NOTE ON THE RECOVERY OF POLYETHYLENE PARTICLES FROM FAECES AND RUMEN CONTENTS OF STEERS.  
( 230.3400/15 ).  
Animal Production, 18(1): 101-104. 1974.
- 16- A NOTE ON THE EFFECT OF POLYETHYLENE PARTICLES ON RUMEN METABOLISM OF STEERS.  
( 230.3400/16 ).  
Animal Production, 18(1): 105-108. 1974.
- 17- THE PROPORTION OF DIETARY PROTEIN ESCAPING DEGRADATION IN THE RUMEN OF SHEEP FED ON VARIOUS PROTEIN CONCENTRATES.  
( 230.3400/17 ).  
Australian Journal of Agricultural Research, 25(1): 155-165. 1974.
- 18- INHERITANCE OF NUTRITIVE QUALITY OF SUMMER HERBAGE IN PHALARIS TUBEROSA L.  
( 230.3400/18 ) e 230.2510/1 .  
Australian Journal of Agricultural Research, 25(2): 265-274. 1974.
- 19- THE GENETIC RELATIONSHIP BETWEEN THE DIGESTIBILITY OF LEAF, STEM AND WHOLE PLANT IN SETARIA.  
( 230.3400/19 ) e 230.2510/2 .  
Australian Journal of Agricultural Research, 25(3): 401-406. 1974.
- 20- MEADOW FORAGE QUALITY, INTAKE, AND MILK PRODUCTION OF COWS.  
( 230.3400/20 ).  
Journal of Range Management, 27(2): 133-135. 1974.
- 21- PROTEIN DIGESTION IN THE INTESTINE OF SHEEP.  
( 230.3400/21 ).  
The British Journal of Nutrition, 31(2): 125-142. 1974.

- 22- NUTRIENT DIGESTIBILITY AND N-METABOLISM BY CATTLE FED RATIONS BASED ON UREA AND CORN SILAGE.  
( 230.3400/22 ).  
Journal of Animal Science, 39(2): 408-416. 1974.
- 23- INFLUENCE OF PROCESSING METHODS ON DIGESTION OF SORGHUM STARCH IN HIGH CONCENTRATE BEEF CATTLE RATIONS.  
( 230.3400/23 ).  
Journal of Animal Science, 39(2): 417-422. 1974.
- 24- EFFECT OF MATURITY OF CORN ON SILAGE QUALITY AND MILK PRODUCTION.  
( 230.3400/24 ).  
Journal of Dairy Science, 57(6): 698-702. 1974.
- 25- THE PERFORMANCE OF EARLY-WEANED CALVES OFFERED CONCENTRATES OR ARTIFICIALLY DRIED GRASSES.  
( 230.3400/25 ).  
Animal Production, 18(2): 201-210. 1974.
- 26- UTILIZACIÓN DE UREA EN TERNEROS DE DOS DIAS A CINCO Y DOCE SEMANAS DE EDAD.  
( 230.3400/26 ).  
Archivos Latinoamericanos de Nutricion, 24(2): 201-222. 1974.
- 27- SOME FACTORS INFLUENCING THE CHEMICAL COMPOSITION OF MIXED RUMEN BACTERIA.  
( 230.3400/27 ).  
The British Journal of Nutrition, 31(1): 27-34. 1974.
- 28- ENERGY AND PROTEIN UTILIZATION IN CALVES FED VIA RUMEN BY-PASS.  
( 230.3400/28 ).  
Journal of Animal Science, 39(1): 108-114. 1974.

### 3500 - REPRODUÇÃO ANIMAL

- 1 - HORMONE LEVELS IN PRE AND POST-PARTURIENT BEEF COWS.  
( 230.3500/1 ).  
Journal of Animal Science, 39(2): 338-347. 1974.



- 2 - PREPARTUM AND POSTPARTUM LEVELS OF PROGESTERONE AND ESTRADIOL IN BEEF HEIFERS FED TWO LEVELS OF ENERGY. ( 230.3500/2 ).  
Journal of Animal Science, 39(2): 380-385. 1974.
- 3 - UTERINE INVOLUTION, OVARIAN ACTIVITY, AND FERTILITY AFTER MELENGESTROL ACETATE AND ESTRADIOL IN EARLY POSTPARTUM COWS. ( 230.3500/3 ).  
Journal of Dairy Science, 57(1): 89-92. 1974.
- 4 - SYNCHRONIZATION OF OESTRUS AND FERTILITY FOLLOWING ARTIFICIAL INSEMINATION IN HEIFERS GIVEN PROSTAGLANDIN F<sub>2α</sub>. ( 230.3500/4 ).  
Journal of Reproduction and Fertility, 37(1): 135-138. 1974.
- 5 - PHYSIOLOGIC RESPONSE TO INTENSE SUMMER HEAT AND ITS EFFECT ON THE ESTROUS CYCLE OF NONLACTATING AND LACTATING HOLSTEIN-FRIESIAN COWS IN ARIZONA. ( 230.3500/5 ).  
American Journal of Veterinary Research, 35(2): 187-192. 1974.
- 6 - COMPARATIVE REPRODUCTIVE PERFORMANCE OF BRAHMAN AND SANTA GERTRUDIS CATTLE IN A HOT HUMID ENVIRONMENT. 1. FERTILITY AND DESCRIPTIVE STATISTICS. ( 230.3500/6 )  
Animal Production, 18(1): 35-42. 1974.
- 7 - COMPARATIVE REPRODUCTIVE PERFORMANCE OF BRAHMAN AND SANTA GERTRUDIS CATTLE IN A HOT HUMID ENVIRONMENT. 2. FACTORS AFFECTING CALVING INTERVAL. ( 230.3500/7 ).  
Animal Production, 18(1): 43-48. 1974.
- 8 - EFFECTS OF EARLY WEANING ON POSTPARTUM REPRODUCTION OF THE DAM AND GROWTH OF CALVES BORN AS MULTIPLES OR SINGLES. ( 230.3500/8 ).  
Journal of Animal Science, 39(3): 589-600. 1974.

- 9 - INFLUENCES ON BIRTH WEIGHT AND GESTATION PERIOD OF HOLSTEIN-FRIESIAN CATTLE.  
( 230.3500/9 ).  
Journal of Dairy Science, 57(2): 235-240. 1974.
- 10- EFFECT OF DRY PERIOD LENGTH ON HOLSTEIN MILK PRODUCTION AND SELECTED DISORDERS AT PARTURITION.  
( 230.3500/10 ).  
Journal of Dairy Science, 57(6): 712-718. 1974.

#### 3820 - GENÉTICA E MELHORAMENTO ANIMAL

- 1 - SELECTION IN BEEF CATTLE. I. SELECTION APPLIED AND GENERATION INTERVAL.  
( 230.3820/1 ).  
Journal of Animal Science, 39(3): 449-458. 1974.
- 2 - SELECTION IN BEEF CATTLE. II. SELECTION RESPONSE.  
( 230.3820/2 ).  
Journal of Animal Science, 39(3): 459-470. 1974.
- 3 - EFFECT OF HETEROSIS AND MATERNAL INFLUENCE ON WEANING TRAITS IN RECIPROCAL CROSSES AMONG ANGUS, CHAROLAIS AND HEREFORD CATTLE.  
( 230.3820/3 ).  
Journal of Animal Science, 39(3): 471-479. 1974.
- 4 - MONTH, YEAR, AND HERDS EFFECTS ON AGE ADJUSTMENT OF FIRST LACTATION MILK YIELD.  
( 230.3820/4 ) e 230.8100/3 .  
Journal of Dairy Science, 57(3): 332-338. 1974.
- 5 - FACTORS AFFECTING BIRTH WEIGHT OF SANTA GERTRUDIS CALVES .  
( 230.3820/5 )  
Animal Production, 18(3): 231-236. 1974.

#### 3940 - DOENÇAS PARASITÁRIAS

- 1 - BOOPHILUS MICROPLUS: DIGESTION OF HEMOGLOBINS BY THE ENGORGED FEMALE TICK.  
( 230.3940/1 ).  
Experimental Parasitology, 35(1): 110-118. 1974.

**EMBRAPA**3951 - BRUCELOSE

- 1 - CONTRIBUIÇÃO AO ESTUDO DA BRUCELOSE NA BAHIA. II. PREVALÊNCIA NOS MUNICÍPIOS DE MEDEIROS NETO, ITANHÉM E LAGEDÃO.  
( 230.3951/1 ).  
Boletim do Instituto Biológico da Bahia, 13(1):  
1-7. 1974.

3952 - TUBERCULOSE

- 1 - EVALUATION OF A PARATUBERCULOSIS VACCINE GIVEN TO CALVES BEFORE INFECTION.  
( 230.3952/1 )  
American Journal of Veterinary Research, 35(3):  
367-369. 1974.
- 2 - EVALUATION OF A COMPARATIVE INTRADERMAL TUBERCULIN TEST IN CALIFORNIA DAIRY CATTLE.  
( 230.3952/2 )  
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379-387. 1974.
- 3 - DIAGNOSIS OF MYCOBACTERIUM BOVIS AND MYCOBACTERIUM PARATUBERCULOSIS IN CATTLE BY "IN VITRO" LYMPHOCYTE IMMUNOSTIMULATION.  
( 230.3952/3 )  
American Journal of Veterinary Research, 35(5):  
725-727. 1974.

3953 - MASTITE

- 1 - USE OF DIMETHYL SULFOXIDE-FLUMETHASONE COMBINATION FOR TREATMENT OF ENDOTOXIN-INDUCED BOVINE MASTITIS  
( 230.3953/1 )  
American Journal of Veterinary Research, 35(6):  
781-785. 1974.

6100 - ECONOMIA DA PRODUÇÃO E DAS EMPRESAS AGROPECUÁRIAS

- 1 - UPDATED BUDGETARY COMPARISONS BETWEEN PANGOLA GRASS-  
LEGUME PASTURE FOR BEEF PRODUCTION IN THE SOUTHER  
WALLUM.  
( 230.6100/1 ).  
Tropical Grassland, 8(1): 25-32. 1974.

8100 - MATEMÁTICA E ESTATÍSTICA

- 1 - A NOTE ON THE ERROR IN CALCULATING ORGANIC MATTER  
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( 230.8100/1 ) e 230.3400/5 .  
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23-24. 1974.
- 2 - INFERENCES ABOUT HIT NUMBER IN A VIROLOGICAL MODEL.  
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- 3 - MONTH, YEAR, AND HERDS EFFECTS ON AGE ADJUSTMENT OF  
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( 230.8100/3 ) e 230.3820/4 .  
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- 4 - A MODEL TO ESTIMATE THE PALATABILITY OF SEVERAL  
CALF STARTER RATIONS.  
( 230.8100/4 ) e 230.3400/12 .  
Journal of Dairy Science, 57(4): 482-484. 1974.
- 5 - FACTOR ANALYSIS: A STATISTICAL TOOL USEFUL IN EPI-  
ZOOTIOLOGIC RESEARCH, WITH AN EXAMPLE FROM A STUDY  
OF DIARRHEA IN DAIRY CALVES.  
( 230.8100/5 )  
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- 6 - THE USE OF BALANCED INCOMPLETE BLOCK DESIGNS IN COM  
PARATIVE BIOAVAILABILITY TRIALS.  
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