Summer 1999

14

Bulletin of the NSW Association of Agriculture Teachers Incorporated

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NSW Association of Agriculture Teachers Inc.



CHRISTMAS SPECIAL EDITION

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EDITORIAL

YIPPIE!



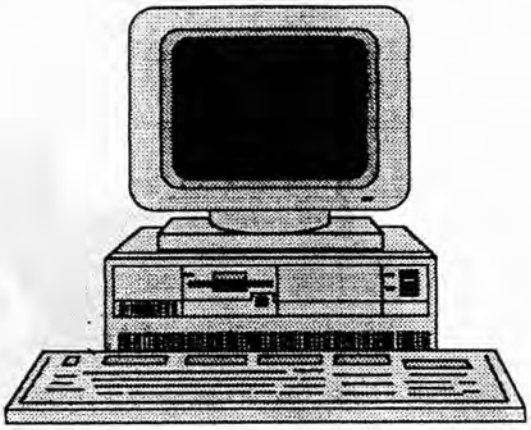
Well all those hard working Aggies, we have definitely earned these holidays. I would like to thank all those teachers who have contributed to the BAAT this year. As without your help, the BAAT would not exist. Wishing you all a safe holiday and a wonderful XMAS.

See you all next year

Karen.



NSWAAT Web site



The NSWAAT is aiming to set up a web site that can be used to promote our activities , provide up to date information on matters that affect Agriculture teachers and be used as a link to other sites .

WE ARE LOOKING FOR SOMEONE TO SET UP AND CO ORDINATE THE SITE.

If you are interested please get in contact with me on
02 98171212(H) or 98161044(W).
Patrick McCann

SLAUGHTER AND SALE FOR HUMAN CONSUMPTION OF POULTRY IN SCHOOLS



It is a common practice in the teaching of Agriculture to raise a batch of broiler chickens from day old chicks through to slaughter weight. Once the broiler chickens reach the desired weight they are slaughtered, dressed and prepared for sale. Sometimes, these birds are sold to the school staff members. This practice contributes to students achieving syllabus outcomes, helps raise valuable revenue for the school Agriculture facility and provides the staff with fresh produce.

The timing of this production is usually synchronized within teaching programs in order to gain maximum benefits from the one teaching resource, e.g. Year 11 animal production run simultaneously with Year 8 poultry unit.

As of November 1998 all 'birds' are now classified as 'abattoir animals'. Under the Meat Industry Act, abattoir animals that are to be sold for human consumption must be slaughtered and prepared for sale at an abattoir or animal processing facility. The Meat Industry Amendment Act (1998) amends the Meat Industry Act (1978) and repeals the Poultry Processing Act (1969).

The purpose of this article is to clarify the impact of this legislative change on school practice – particularly as it relates to the slaughter of poultry and the subsequent sale of the dressed carcase to consumers. A formal memorandum covering the changes will be forwarded to all high schools and central schools in term 4.

It is no longer appropriate for schools to slaughter and prepare for sale a large batch of broiler chickens they have raised. Schools that wish to sell broiler chickens for human consumption must now send their broiler chickens to a registered poultry processing facility to have them slaughtered and dressed. As a consequence, some schools (particularly those in rural areas) may be prevented from producing broiler chickens for sale for human consumption unless a practical and cost effective method of transport to and from a registered processing facility can be found.

It is permissible for schools to slaughter and dress a limited number of poultry in order to allow students to acquire skills necessary for achieving syllabus outcomes. The slaughtering must be carried out according to practices described in Animals in Schools: *Animal Welfare Guidelines for teachers*. The slaughtered and dressed birds may not be sold for human consumption. They may be cooked and eaten at school as long as the slaughter, dressing and cooking have taken place hygienically.

Sally Bannerman

SACEC Support Officer

SEEKING RECOGNITION OF PRIOR LEARNING FOR PRIMARY INDUSTRIES



If you are trained in either Rural Industries or Primary Industries, you are only able to teach the GENERAL AGRICULUTRE area of study.

If you wish to teach units, that are not part of the General Agriculture area of study you MUST apply for Recognition of Prior Learning (RPL) to be able to teach these units. If you are not granted RPL to teach the other Units of Study your students will not have those units credited to them and will not get credit transfer.

The units that you need to get RPL approval to teach are the units in the areas of study that are NOT part of the General Agriculture area of study in, Sheep and Wool Production, Crop Production, Beef Production, Horticulture, Horse Care, Animal Studies and Dairy and Milk Harvesting.

When filling out the RPL form you need to be very specific in your skills, qualifications and experience.

You need to go through the learning outcomes of the units you wish to teach and describe how you fulfil the requirements to teach that unit.

For example it is no good if you wish to teach the Unit Prepare Wool (AG2433WH A) to just state that you have a professional wool classing qualification you need to show evidence for you experience in the preparation of wool. If you wish to teach the unit Select Livestock for Market (AG3500BC A) you will need to show that, you have obtained the necessary skills and experience to be able to deliver that unit.

The application needs to be specific enough for the work group to be satisfied that you have the necessary skill to be able to teach the additional units to a standard as deemed acceptable by industry.

The RPL procedure is not meant to be a lengthy procedure. It's aim is to act as a Quality Assurance mechanism to ensure that all Primary Industries teachers have the required skills to teach the course. You will more than likely realise that you have most if not all the skills to teach the units that you wish to teach.

It is important that Industry recognise our skills and experience and that our students are given the recognition for their learning at school. Without the recognition from Industry, our students will find it difficult to be seen as adequately trained to enter the Primary Industry field.

If you have any questions or queries, you need to get in contact with: -

Fran Maloney
Training and Development Directorate
Dept of School Education
Locked Bag 3
RYDE NSW 2112
02 98867612 (P)
02 98082943 (F)

If you teach in a Catholic School, you need to contact: -

Rosalie Nott
02 92871549 (P)
02 92646308 (F)

If you teach in an Independent School, you need to contact: -

Rod Leverment
02 92992845 (P)
02 92993121 (F)

NSW Agriculture
1998 / 1999 Gold Sponsor

COTTON AUSTRALIA

THE SCOTS SCHOOL AGRICULTURE

The Scots School Bathurst, a co-educational Presbyterian Day and Boarding School. Incorporates Agriculture into its curriculum structure from Year 7 to the HSC Year 12. It also offers students the opportunity to complete first Year University at Charles Sturt University and Orange Agriculture College.

The school runs a commercial farm enterprise on 30 hectares of land adjacent to the main school facilities. Here in the last 15 years the school has built up a Hereford stud comprising of 20 stud females and developed from donations from some of Australia's top Hereford Studs. The school is also developing a Merino Stud based on the bloodlines of the well-known Grathlyn Stud at Mudgee and now being selected to become a 30 Ewe Flock. For comparative purposes the School also runs a Border Leicester Sheep Stud of 30 Ewes – these are used extensively for shows. Both the Border Leicester and Merino Sheep Studs are certified brucellosos free and Johnes Disease MND.

The school's animals are not just for demonstration purposes. In fact most of the work and husbandry practices are carried out by the students, with close supervision by the Agriculture staff. They handle the Hereford cattle soon after birth and prepare and groom them for exhibitions and shows as part of the agricultural curriculum. All cattle are breadplan recorded.

The merino sheep are each individually identified. At lambing, students handle the lambs in the paddock earmarking and vaccinating them and recording birthdate and dam. All the school's Merinos are micro tested at 18 months and this information coupled with fleece weight, twinning, bloodlines and general information are obtained and used by the students in their agriculture, Sheep Husbandry and Wool Science courses.

The Border Leicester Sheep are supervised from the yearly AI program through birth to weaning and on to Shows. The school's Border Leicesters are shown extensively over Western NSW and at the Sydney Royal. The sale of rams provides economical return as well as an insight into commercial Agriculture for senior students.

The animals are not only enterprises on the school farm. The school undergoes a small cropping and pasture improvement program each year, cuts, bales and stores about 800 bales of hay and the younger student are involved with a vegetable growing and poultry raising enterprise in the Agriculture area and the glass house.

As well as the normal farm routine many students undergo special projects as part of their studies. Trials carried out under staff supervision on poultry, pigs, earthworms, hydroponics and different crops. Many senior students undergo cattle Artificial Insemination courses, Welding courses and Wool classing courses.

The school farm is managed with a view to developing sustainable Agriculture techniques to help maintain profitability into the future.

At Scots, agriculture is a major part of the school curriculum. It is a compulsory subject in Years 7 and 8 when boys learn basic agriculture and the importance of agriculture to Australia in general. Students may then choose to continue their agriculture education in year 9 and 10 and then onto years 11 and 12 where they sit for agriculture at the HSC.

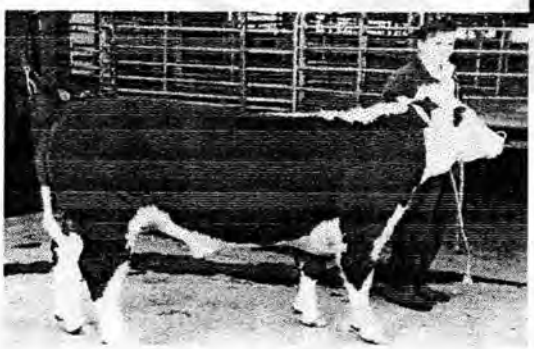
A recent development at the school has been the introduction of the university link courses where students in years 11 and 12 study maths and english and university subjects that allow them to move into 2nd year at Charles University (Agriculture) and Orange Agricultural College.

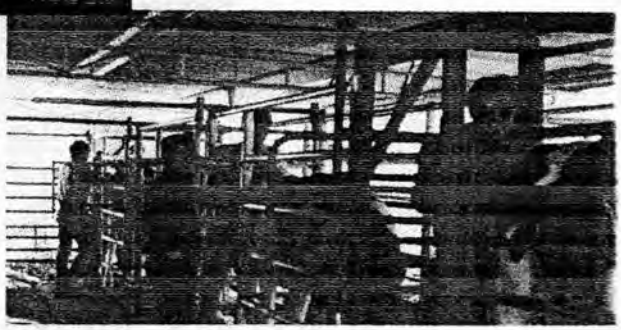
FUTURE CHAMPIONS SCHOOL





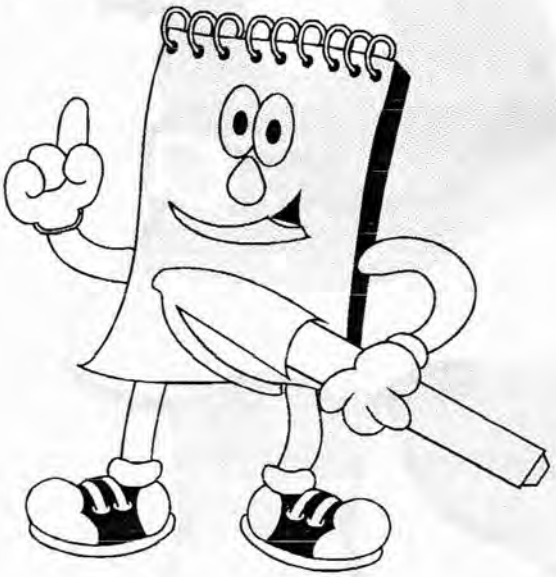




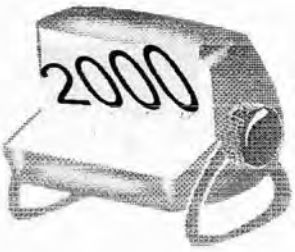




DATES FOR ALL



AGGIES DIARIES...



SYDNEY ROYAL SHOW 2000 - DATES:







PARADERS COMPETITION

Thursday 13th April 8:30 a.m.



SCHOOL LED STEER JUDGING

Thursday 13th April 3:00 p.m.

*NOTE: **School Steers** only will be judged on Thursday 13th.



OPEN STEERS

Friday 14th April 8:30 a.m.

2000 SYDNEY ROYAL EASTER SHOW STEER AND CARCASE COMPETITION

The Cattle Committee of the Royal Agriculture Society of NSW would like to advise the changes to the Steer and Carcase Competition at the 2000 Sydney Royal Easter Show:

REGULATIONS: The Committee reserves the right to limit entries to 200 head. Entries will be accepted in order of receipt.

An exhibitor may enter one steer only for exhibition in Classes 1 to 12 except in the case of a school who may enter on (1) in the School Section and one (1) in the Open under the same criteria below: -

1 Each steer must be owned by the exhibitor
2 Steers must be purebred.
3 The sire of the steer must be registered with a recognized Breed Society.
4 The dam must be similarly registered or be a purchased know to be of at least 15/16th purity.
5 Proof of the status of the sire will be required such as a registration number and proof of the purity of the dam maybe a signed statement by the owner to that effect.

Should a ballot be required to reduce the number of entries to the maximum of 200, then steers will be accepted in the following order: -

(a) School Steers
(b) Open Steers
   1. From exhibitors who are exhibiting elsewhere in the Beef Cattle Section of the Sydney Royal Easter Show and are the owners of the registered Stud from whence the steer came.
   2. Exhibitors who have only entered the Steer Carcase Competition and are owners of the Stud from whence the steer came.
   3. Exhibitors who are exhibiting elsewhere in the Beef Cattle Section of the Sydney Royal Easter Show and are not the owners of the registered Stud from whence the steer came.
   4. Exhibitors who are neither exhibiting elsewhere in the Beef Cattle Section of the Sydney Royal Easter Show nor are the owners of the registered sire and dam of the steer being exhibited.

CARCASE JUDGING: All classes will be judged as to their suitability for the domestic trade in high quality carcases and prime cuts. Quality assessments are those use by Meat Standards Australian (MSA), but please note that because of pre-slaughter management, carcases will NOT be eligible for MSA grading.

Carcases should meet MSA minimum carcase assessments for grading:
pH maximum 5.7, Meat Colour maximum AUS-MEAT Chip 2, Rib Fat Depth minimum 3mm, Oscillation maximum 200 and Fat Distribution even over rib, rump and loin.

Lightweight: Domestic/supermarket carcase, weight 160-220kg. Fat Depth 6-10mm at the P8 (rump) site and 4-7mm at the 12/13th rib.

Middleweight: Heavy domestic/supermarket carcase, optimum weight over 220-260kg. Fat Depth 8-13mm at the P8 (rump) site and 5-9mm at the 12/13th rib.

Heavyweight: Hotel/restaurant trade carcase, weight over 260kg-400kg. Fat Depth 8-13mm at the P8 (rump site and 5-9mm at the 12/13th rib.

MAXIMUM CARCASE POINTS: 1. Market Specifications and Salability (15 points)
2. Yield of Saleable Meat (40 points)
3. Eating Quality (45 points)





NSW Country Shows 1999/2000

1999	*Aug*	*Sep*	*Oct*	*Nov*	*Dec*
Tullamore	13-14				
Warren	14				
Trundle	17-18				
Bedgerabong	21				
Ganmain	21				
Weethalle	21				
Peak Hill	24-25				
Condobolin	27-28				
Barellan	28				
Coolamon	28				
Wentworth	28-29				
Lockhart	29				
Parkes	30-1 Sep				
Manildra		3-4			
Narromine		3-4			
Barmedman		4			
Lake Cargelligo		4			
Nerrandera		4			
Finley		5			
Woodstock		5			
West Wyalong		7-8			
Forbes		9-11			
Murrumburrah		10-11			
Ariah Park		11			
Cudal		11-12			
Fairfield		11			
Hay		11-12			
Quirindi		11-12			
Cowra		14-15			
Broken Hill		17-19			
Eugowra		17-18			
Molong		17-18			
Ardlethan		18			
Merriwa		18-19			
Quandialla		18			
Canowindra		24-25			
Hillston		25			
Nimbin		25-26			
Temora		25			
Young		26-28			
Wagga Wagga		29-1 Oct			
Bribbaree			2		
Berrigan			3		
Griffith			3-4		
Liverpool			3-4		

NSW Country Shows 1999/2000 - Cont'd

1999	*Aug*	*Sep*	*Oct*	*Nov*	*Dec*
Morongla			4		
Walburndrie			4		
Grenfell			8-9		
Kyogle			8-9		
Leeton			8-9		
Singleton			8-10		
Culcairn			9		
Illabo			9		
Trunkey Creek			9		
Ungarie			9		
Norfolk Island			11		
Casino			15-16		
Taree			15-17		
Barham			16		
Cootamundra			16		
Picton			16-17		
The Rock			16		
Tooraweenah			16		
Lismore			20-23		
Junee			23		
Albury			29-31		
Alstonville			29-30		
Carcoar			30		
Murwillumbah				5-6	
Frenchs Forest				6-7	
Holbrook				6	
Bellingen				12-13	
Dungog				12-13	
Mullumbimby				12-13	
Minto				13-14	
Bangalow				19-20	
Bulahdelah				20-21	
Bulli				20-21	
Dorrigo				20-21	
Queanbeyan				20-21	

Please confirm all dates with the Show Society concerned!!

NSW Country Shows 1999/2000 - Cont'd

2000	*Jan*	*Feb*	*Mar*	*Apr*	*May*
Bowral	8-9				
Pambula	8-9				
Albion Park	15-16				
Candelo	16				
Bundarra	20-22				
Dapto	21-22				
Portland	22				
Eurobodalla	28-29				
Kiama	28-29				
Uralla	28-30				
Morisset	29-30				
Tarago	29				
Bungendore	30				
Berry		4-5			
Rydal		4-5			
Tenterfield		4-5			
Nimmitabel		5			
Glen Innes		10-12			
Cobargo		11-12			
Corowa		11-12			
Nowra		11-12			
Crookwell		12-13			
Oberon		12-13			
Maitland		17-19			
Bega		18-20			
Gundagai		18-19			
Guyra		18-20			
Kangaroo Valley		18-19			
Ashford		19-20			
Dunedoo		19			
Gunning		19-20			
Inverell		24-25			
Canberra		25-27			
Cessnock		25-26			
Jerilderie		26			
Rylstone		26			
Jingellic		27			
Sofala		27			

Please confirm all dates with the Show Society concerned!!

NSW Country Shows 1999/2000 - Cont'd

2000	*Jan*	*Feb*	*Mar*	*Apr*	*May*
Newcastle			2-5		
Milton			3-4		
Mudgee			3-4		
Robertson			3-4		
Barraba			4-5		
Boorowa			4		
Braidwood			4		
Delegate			4		
Deniliquin			4-5		
Luddenham			4-5		
Tumut			4		
Dalgety			5		
Armidale			10-11		
Camden Haven			11-12		
Cooma			10-11		
Gresford			10-11		
Gulgong			10-11		
Moss Vale			10-12		
Adelong			11		
Penrith			11-12		
Taralga			11-12		
Wakool			11		
Blacktown			17-19		
Walcha			17-19		
Baradine			18		
Batlow			18		
Bombala			18		
Comboyne			18-19		
Goulburn			18-19		
Henty			18		
Koorawatha			18		
Bemboka			19		
Blayney			24-25		
Coonabarabran			24-25		
Manilla			25-26		
Nabiac			25		
St Ives			25-26		
Tumbarumba			25		
Tamworth			30-2 Apr		
Castle Hill			31- 2 Apr		

Please confirm all dates with the Show Society concerned!!

NSW Country Shows 1999/2000 - Cont'd

2000	*Feb*	*Mar*	*Apr*	*May*	*Jun*
Binnaway			1		
Cumnock			1		
Wingham			1-2		
Yass			1-2		
Camden			7-8		
Gloucester			7-8		
Muswellbrook			7-9		
Narrabri			7-9		
Mendooran			8		
Lithgow			14-16		
Sydney			14-29		
Jerrawa			24		
Campbelltown			28-30		
Stroud			28-29		
Wauchope			28-29		
Wee Waa			28-30		
Kempsey				2-3	
Warialda				6-8	
Bathurst				5-7	
Bonalbo				5-6	
Gunnedah				5-7	
Hawkesbury				5-7	
Brewarrina				6	
Macksville				6-7	
Woodenbong				7	
Maclean				9-10	
Grafton				12-13	
Bingara				13-14	
Bourke				13	
Gosford				13-14	
Horsley Park				13-14	
Orange				13-14	
Walgett				13-14	
Yeoval				16	
Cobar				19-20	
Coffs Harbour				19-21	
Moree				19-21	
Wellington				19-20	
Nyngan				21-22	

Please confirm all dates with the Show Society concerned!!

NSW Country Shows 1999/2000 - Cont'd

2000	*Feb*	*Mar*	*Apr*	*May*	*Jun*
Gilgandra				23-24	
Dubbo				26-28	
Mungindi				27-28	
Coonamble				30-31	
Gulargambone					3

Please confirm all dates with the Show Society concerned!!

Information to Share???

Send it in for the next BAAT Newsletter.

Ring Karen Damic on 02 6331 3755 or fax her on 02 6332 2302





NATIONAL ASSOCIATION OF AGRICULTURAL EDUCATORS

BIENNIAL 2000 CONFERENCE

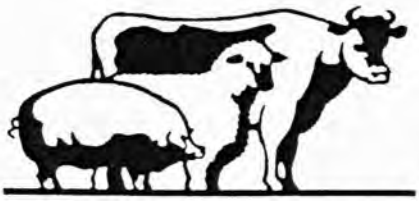
Hosted by AEAWA

Tuesday 11th January — Friday 14th January 2000

TRADEWINDS HOTEL

59 Canning Highway, East Fremantle
Western Australia

"Agriculture — An Enterprising Education:
Working for Rural Revival and Survival"



Frank Slee can be contacted on:
Ph: 08 9729 2207
Mobile: 0411 446 496
Fax: 08 9729 3364
Email: Frank.Slee@eddept.wa.edu.au
Post: PO Box 496, Harvey WA 6220

RURAL SKILLS AUSTRALIA



STOP PRESS

Rural Skills Australia is pleased to announce the release of 101 learning guides covering various units from the National Agriculture Training Package. These new guides cover:-






- 8 New Dairy Production units;
- 12 Rural Merchandising units;
- 30 Sheep and Wool Production units;
- 4 Horse Breeding units
- 34 Beef Cattle Production units;
- 13 Generic Agriculture units;

Please note that the revised Ag & Hrt Core 4, 'Communicating in the work-place' is now available. In addition, a publication called 'All in a Days Work', which covers Core Units 1 to 6 for both Agriculture & Horticulture, is now available for $30.00 plus postage.

Two new pocket guides 'Shoeing a Stock Horse' and 'Motorcycle Operations' are now also available.

These latest products have significantly expanded our range of learning guides and related support materials. For a complete list of available Agriculture, Horticulture and Veterinary Nursing learning guides and support materials, please visit our website at www.rsa.farmwide.com.au. To order, print out the necessary pages and then fax 02 6273 7364 or send them through to our address PO BOX E10 Kingston ACT 2604.

Should you require further information or assistance please contract Ms Kellie Phillips in 1800 647 798.

TECHNOLOGICAL and APPLIED STUDIES

AGRICULTURE

2 UNIT PRELIMINARY COURSE



Unit 4 - LOOKING AT EWE
Students can investigate the influence of market demand on prime lamb production. A four week Preliminary unit
Product number: 97142
Cost: $20
Contents: a student book



Unit 5 - HANDS ON
This two week Preliminary unit provides guidelines for students to manage and monitor an animal's growth and development.
Product number: 97143
Cost: $18
Contents: a student book and audio cassette



Unit 6 - CROP THIS
The influences on crop enterprises and the related management strategies. A five week Preliminary unit.
Product number: 97144
Cost: $35
Contents: a student book, audio cassette and computer disks for Mac and PC



Unit 8 - RISKY BUSINESS
This two week unit allows students to explore the social and economic aspects of farming.
Product number: 97213
Cost: $20
Contents: a student book

AGRICULTURE

2 UNIT HSC COURSE



Unit 1 - SOILS AND CLIMATE
This four week HSC unit focuses on the interaction between soils, climate and farm production.
Product number: 97146
Cost: $20
Contents: a student book



Unit 2 - PLANTS, THE VITAL FOOD SOURCE
The focus of this four week HSC unit is the importance of plants in farm production.
Product number: 97147
Cost: $16
Contents: a student book



Unit 7 - MANAGING THE LAND
An elective unit which examines land capability, soil degradation and sustainable agriculture.
Product number: 97269
Cost: 432
Contents: a student book and audio cassette



ORDER FORM - Please Photocopy

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	Postage and handling: $6 for 1 item; $10 for 2 or more items			$

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Contact a marketing officer on 02 9715 8222

The Shorthorn Youth Club of Australia would like to introduce our:

SHORTHORN STEER JACKPOT

Commencing the year 2000, the Shorthorn Youth Club will introduce a **JACKPOT**. It will be open to any exhibitor of a Pure Bred Shorthorn Steer (led), at the Sydney Royal Easter Show.

We invite you to take part in the challenge to win the Grand Champion Steer, on either hoof or hook. Initial **JACKPOT** of at least $500 with an additional $100 added each year if not won.

Open to Pure Bred Shorthorn steers.

Bonus $100 to Champion Steer if exhibited by a school

Our objective is to increase the number of Shorthorn Steers exhibited, and to encourage you to become involved in one of the most successful and progressive breeds.

For more information regarding the **JACKPOT**, please contact:

Kate Rathbone
(02) 6366 5123

Niaomi Ridley
(02) 6895 7613

BEEF TO BEEF A.I.

Controlled breeding programs involving heat synchronisation gives beef producers an effective method of inseminating beef cows. Programs differ, due to the synchronising drugs used, and the breeding requirements decided upon. Each program has its good points, as well as its difficulties. The method chosen will depend upon decisions relating to costs of drugs, labour and management. The result is a procedure that offers the opportunity to use top beef genetics within your herd. This review provides general information on beef to beef AI programs suitable for you herd.

SYNCHRONISATION

Observed heat is the best approach to any synchronisation program. In some beef herds, observed heat is not an option, therefore blanket inseminations are an alternative approach.

There are two main drugs used to synchronise heat.

1. Prostaglandin; which knocks out the corpus luteum on the ovary and induces and early heat.
2. Progesterone; which delays the onset of heat by acting as a substitute corpus luteum. Oestrus occurs after removal of the progesterone. Source.

PROSTAGLANDIN PROGRAMS

Two injections of prostaglandin 11 days apart will cause nearly all normally cycling cows to respond to the second injection, coming on to heat two to five days later. Inseminations based on observed heat should be performed during these days.

Two alternative procedures can be used:-

1. Blanket inseminate all the injected animals twice. One insemination performed at 72 hours and the other at 96 hours after the second injection.
2. Alternatively, one insemination may be performed 75 to 80 hours after the second injection.

Best results occur with observed heat. Prostaglandins can cause pregnant animals to abort.



PROGESTERONE IMPLANT PROGRAMS

There are two types of progesterone implants available, ear implants and vaginal implants.

Ear implants involve the insertion of a small plastic device containing progesterone in the top of the ear between the cartilage and the skin. An injection of progesterone is given at the same time. Progesterone from the implant is absorbed into the bloodstream.

The implants should be removed 9 to 10 days after insertion and an ovulatory drug injection given at the same time. Heifers can be blanket inseminated 48 hours after implant removal, while cows can be inseminated 56 hours after implant removal. Observed heat again offers the best results.

The implanting of the ear is difficult so good yards and facilities are necessary.

Vaginal implants consist of a plastic core coated with a layer of progesterone impregnated plastic. They are inserted into the vagina allowing the progesterone to be absorbed into the blood stream. The device may be left inserted for seven or up to 14 days, dependant upon the system used. Once the device is removed, the animal will come into heat 48-96 hours later. Progesterone implants will help non-cycling cows to cycle.

REPRODUCTION AND INSEMINATION

The average period between heats in a normal cow is 21 days with most cycling every 18 to 24 days.

The average cow is on heat for 18 hours after the end of heat. Sperm from normal or high fertility bulls will survive 24 hours in the uterus and 36 hours in the cow's cervix.

A cow can then be inseminated a number of hours after she has gone off heat and still has a good chance of conception. This is because the egg is not released until 12 hours after the end of heat and can be fertilised up to 4 to 6 hours after that. This means that a cow inseminated between 2 to 26 hours after coming on heat has a good chance of conceiving.

Best conception rates are achieved with cows inseminated 8 to 18 hours after they were first seen on heat.

An appropriate program for timing insemination is as follows:-

- Cows first seen on heat during the night or in the morning are inseminated in the evening.
- Cows first seen on heat during the day or at the evening are inseminated next morning.

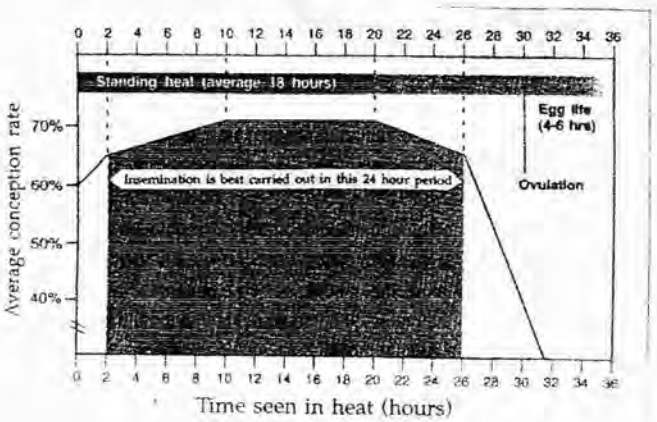
HEAT DETECTION

The best indication of heat is when a cow stands to be mounted by another cow. Unusual behavior such as bellowing, frequent urination, annoying other cows or seeking isolation can be important clues to a good stockman.

Hair rubbed off the base of the cow's tail, mud on the flanks and saliva on the cow's back, indicates that a cow has stood to be mounted.

Other valuable aids to heat detection are a mucus discharge which often clings to the cow'' tail, and swelling of the vulva, which is quite noticeable in many cows.





HEAT DETECTION AIDS

The most effective method is a strip of paint along the base of the cow's tail. The strip should be narrow and placed on the highest area of the tail. Paint should be freely applied so that it forms a thick unbroken skin. When another cow mounts the cow on heat, she beaks the paint strip often rubbing I off completely. The break up of the paint strip is a clear "heat-mount" indication. Other heat detection alternatives are teaser steers with chin ball harness or commercial heat-mount detectors. It is important to yard cows up into manageable groups to simplify heat detection.

HERD MANAGEMENT

Condition status of cows within the herd can have marked effects in their response to synchronisation drugs. Also calving to joining intervals (at least 50 days) and herd health contributes to the success of AI programs.

FACILITES

Good facilities are essential in handling and drafting of cattle in Beef to Beef AI. This helps in effective management of synchronisation treatment, heat observation and insemination procedures of your cows.

This overview introduces you to the management, synchronisation and insemination requirements required for a Beef to Beef AI Program.

Contact VAB Beef Genetics for details on Beef to Beef A.I. Programs.

COTTON AUSTRALIA

Agriculture

MARKET SPECIFICATIONS FOR SLAUGHTER STOCK

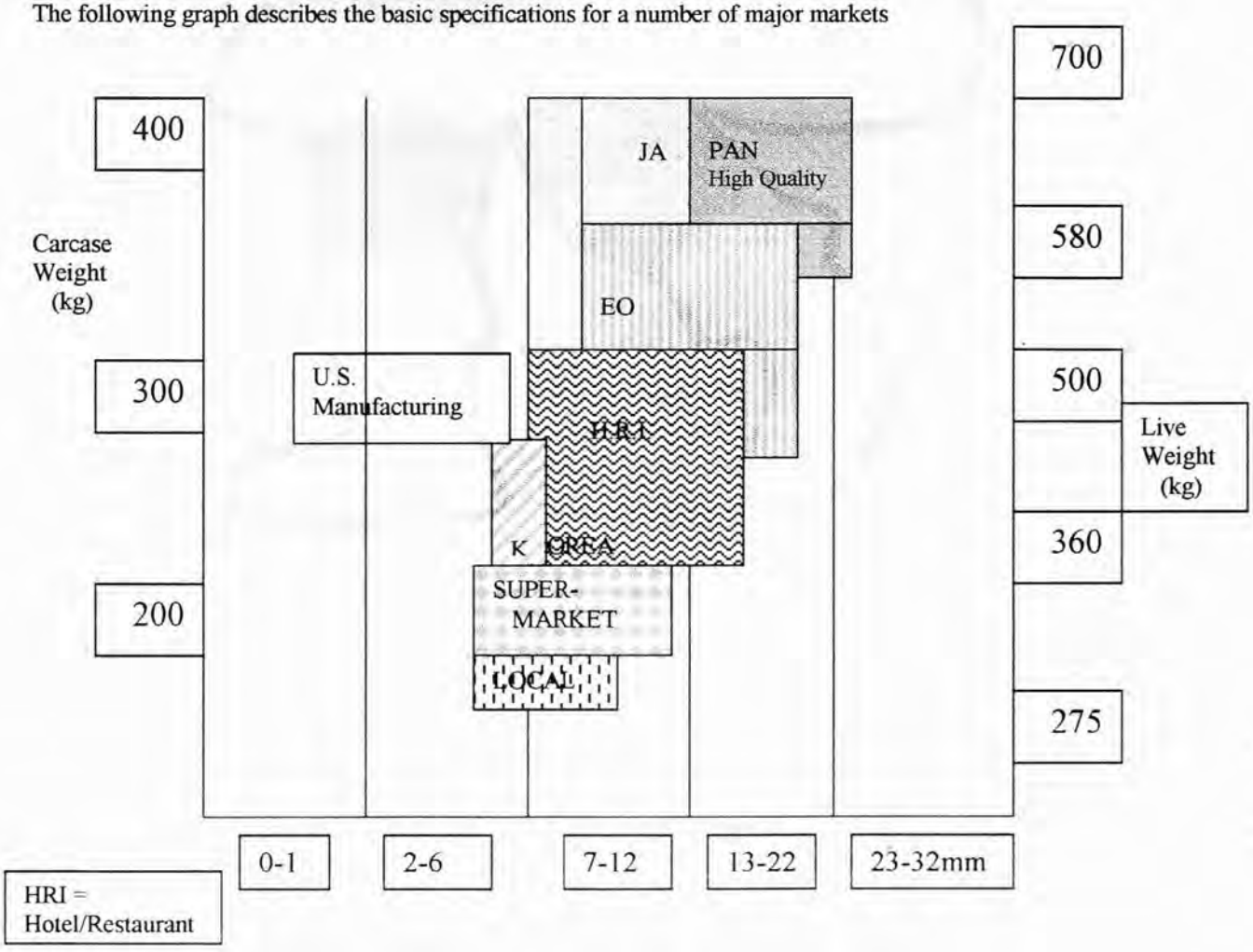
Each market has its own requirements. Sometimes, specifications for the same market vary between individual operators, or they may not be applied as rigidly during times of shortage as when there is a surplus of suitable slaughter stock.

The primary specification for all markets are based on hot standard carcase weight (HSCW) and fatness (mm of fat on the rump (P8)site)

Most markets specify other details as well. These can include:

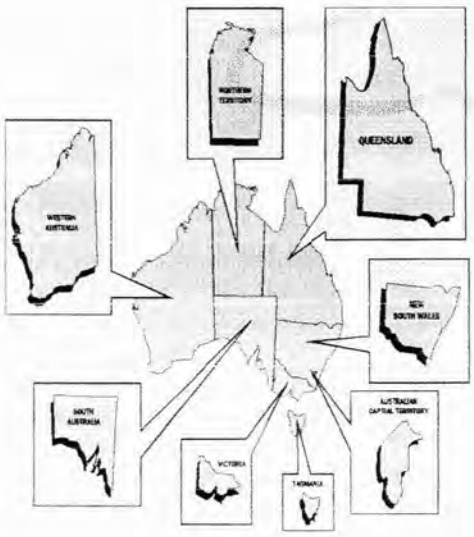
- sex
- age by dentition (teeth)
- freedom from hormonal growth promotants (HGP) – particularly EC markets
- meat quality factors such as meat colour and texture, fat colour and marbling.

The following graph describes the basic specifications for a number of major markets





A GREAT EXCURSION IDEA...





ANGORA TOURIST FARM

YEOVAL NSW 2868
Ph: 02 6846 4039 Fax: 02 6846 4310

To the school excursion co-ordinator,

If you are looking for an educational excursion, why not take your students to the Angora Rabbit Farm? We have been operating for ten years and thousands of school students have visited the farm.

The program is a guided tour around the animals, (angora rabbits, alpaca, American bison, water buffalo, deer, ostrich, emu, kangaroos and native birds), then a rabbit shearing demonstration in the shearing shed.

We are situated one hour from Parkes, Orange and Dubbo at Yeoval. Prices are $4.00 per student with teachers free of charge, for groups over 20. Prices are current until the 30th June, 2000.

Please do not hesitate to contact me for more information or bookings.



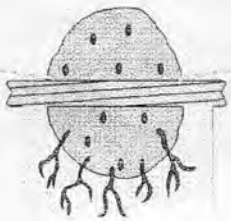
Yours sincerely,
Lyle Wykes
(Manager)







GREAT PRACTICALS

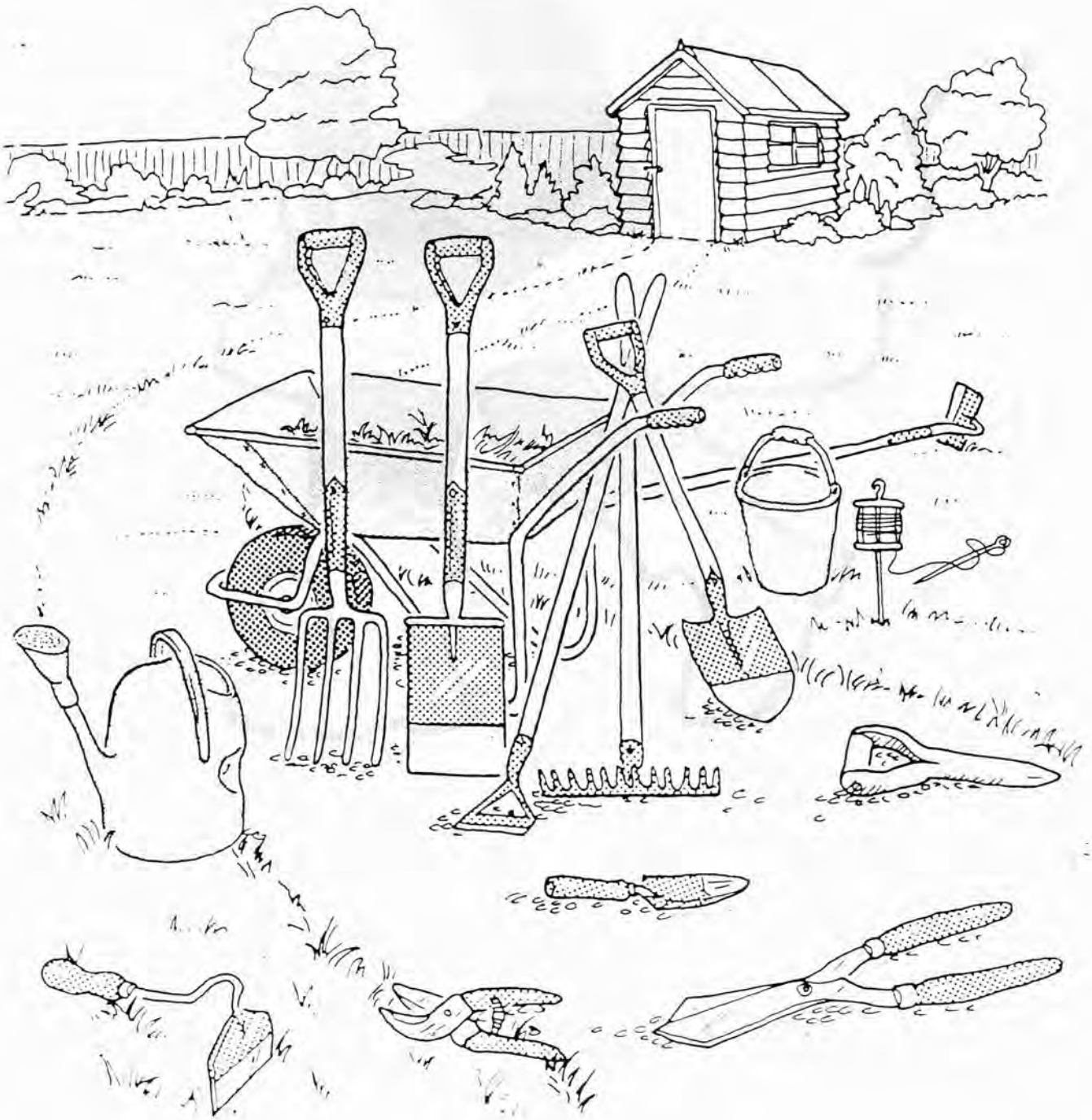


That ADV School Can Use!



What to do

Identify each of the tools in the illustration, then fill in the spaces on the list.



ACTIVITY AUTUMN/WINTER

LIST OF USES

EXAMPLE: FOR EARTHING-UP POTATOES, USE A _____.

FOR

planting out pot plants in a flowerbed, use a _____.

pruning roses, use _____.

weeding around small plants, use a _____.

removing small shallow-rooted weeds, use a _____.

carrying grass clippings to the compost heap, use a _____.

filling a pot with compost from a plastic bag, use a _____.

watering plants a long way from a tap, use a _____.

clearing mud from a concrete path, use a _____.

separating large lumps from compost outdoors, use a _____.

removing dead leaves from a flowerbed, use a _____.

making a trench for large bean seeds, use a _____.

keeping to a straight line when sowing seed, use a _____.

turning over a compost heap, use a _____.

breaking up the surface crust on soil after heavy rain, use a _____.

smoothing over fine soil, use the back of a _____.

digging a trench more than a few centimeters deep, use a _____.

trimming rose cuttings, use sharp _____.

mixing different contents of seed compost, a useful measure of bulk is a _____.

digging compost into loose soil, use a _____.

filling a wheelbarrow with sieved ashes, use a _____.

planting seeds and plants the correct distance apart, use a _____.

Watering very small seedlings in the garden, use a _____with a _____ on it.

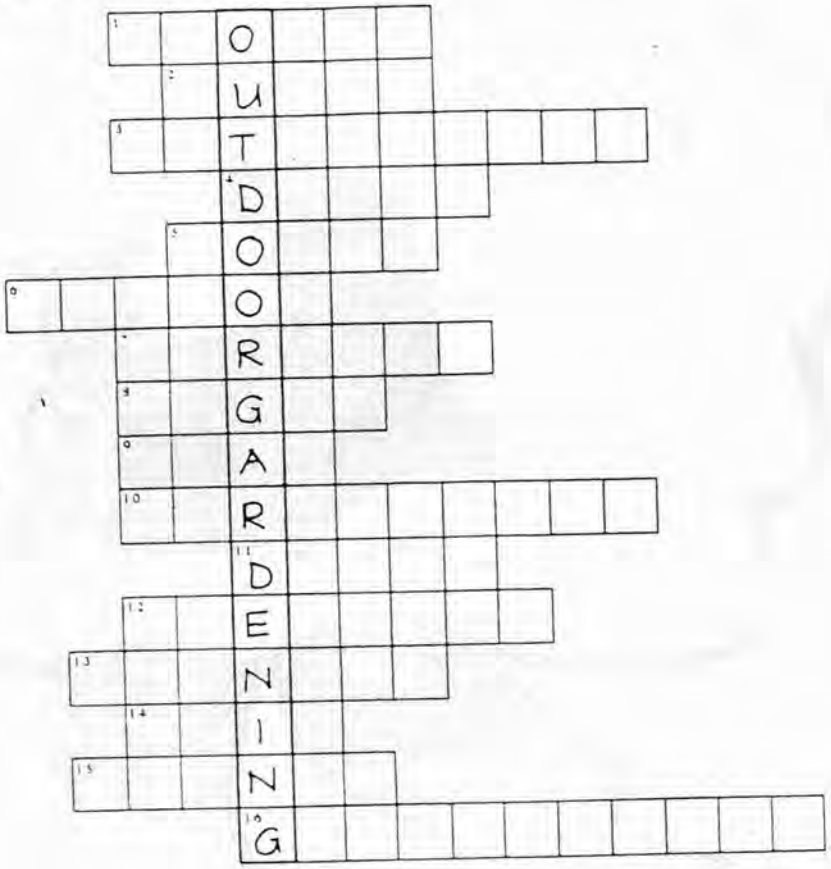
removing weeds between rows of vegetables, use a _____.







1 A gardener's crossword puzzle



Clues

1 A glass or plastic outdoor protection for young plants.
2 A layer of material put on soil to reduce water loss by evaporation.
3 It happens to plants which grow too big for their pots.
4 A hoe used in Common Market countries?
5 A sleeping crocus?
6 A heap of plant food in the garden.
7 Making bulbs flower earlier than they usually do.
8 The missing ingredient $-6H_2O + 6CO_2 + _____ \rightarrow C_6H_{12}O_6 + 6O_2$
9 Where photosynthesis mostly takes place.
10 It provides missing chemicals in the soil.
11 A shallow straight line drawn in the seed bed.
12 A seed first produces this.
13 Overgrown bushes and trees need this.
14 A trench the depth of the spade blade is a _____ deep.
15 Where you may put bowls of bulbs to keep them warm before they are 3cm high.
16 The changing of a seed into a seedling

YEAR 9 AGRICULTURE ASSIGNMENT

- **Your Assignment should be at least 500 – 1000 words plus pictures.**
- **Choose one of the following topics and research it in as much detail as you can.**

1. **Cattle yard design:** Research the requirements for efficient cattle handling facilities and use this information to draw plans for handling facilities.

2. **Marketing:** Research and present details of the ways cattle products - meat and live animals are sold. (There are quite a few ways.)

3. **Supplementary feeding:** Plan and present a feeding program to sustain a herd during a drought.

4. **Artificial insemination:** Present information about: -
   a) history and discovery of A.I.
   b) advantages and disadvantages
   c) techniques for collection and storage of semen
   d) techniques for inseminating females
   e) methods of detecting heat in females

5. **Embryo transfer:** Present information about: -
   a) history of ET
   b) methods of collecting embryos
   c) methods of placing embryos in recipient cow
   d) advantages and disadvantages of ET

6. **Pastures for beef cattle:** Research and present information on pasture production used with beef cattle.

7. **Feedlots**
   - research the types of feedlots
   - breeds used in feedlots
   - types of feeds used and reasons why
   - designs of feedlots
   - welfare aspects of feedlots

8. **Diseases of cattle:** Research in detail 5 diseases common in cattle.
   Present information on: -
   a) cause
   b) effect on cattle
   c) symptoms
   d) prevention
   e) control

9. **Research veal production:** Include information on how and why veal is used as well as information on: -
   - white veal
   - red veal
   - market prices

These topics will require you to do a lot of research. You may even need to ring and write to people for information.

You must include a ***Bibliography.***



Central West Beef Week will be held from **Monday 27 March to Friday 31 March 2000.** The zone days of that week will be:

Zone 1.	Monday 27 March	Bathurst/Blayney/Cowra
Zone 2.	Tuesday 28 March	Orange/Molong/Cudal
Zone 3.	Wednesday 29 March	Baldry/Cummock/Yeoval
Zone 4.	Thursday 30 March	Forbes/Condobolin/West Wyalong
Zone 5.	Friday 31 March	Dubbo/Wellington/Narromine





FARMS AND WHAT THEY PRODUCE

FARM TYPE	PRODUCTS
POULTRY	
PIGGERY	
DAIRY	
BEEF CATTLE FARM	
SHEEP STATION	
CITRUS ORCHARD	
VINEYARD	
SUGARCANE FARM	
NURSERY	
GOAT FARM	
APIARY	
FOREST	
STONEFRUIT ORCHARD	
NUT ORCHARD	
DEER FARM	
FISH FARM	
MARKET GARDEN	

Choose words from the following list to complete the table above.

Cheese	Pork	Oranges	Grapes	Grapefruit
Bacon	Cashews	Walnuts	Oats	Wheat
Peaches	Mohair	Plums	Beeswax	Wool
Lemons	Almonds	Apricots	Barley	Mandarins
Macadamia	Venison	Ferns	Flowers	Honey
Flour	Lambs	Ham	Eggs	Carrots
Molasses	Trout	Timber	Wine	Yoghurt
Cabbage	Paper	Steak	Mutton	
Cherries	Roses	Nectarines	Chicken	

AQUACULTURE

A	U	S	S	S	A	B	N	A	I	L	A	R	T	S	U	A
E	U	R	O	P	D	O	C	Y	A	R	R	U	M	M	U	R
A	Q	U	A	C	U	Y	L	P	P	U	S	D	O	O	F	R
T	N	A	R	O	M	R	O	C	H	S	I	F	T	A	C	A
P	Y	T	I	N	I	L	A	S	C	A	D	E	A	G	L	A
Y	L	L	E	B	W	O	L	L	E	Y	A	P	D	E	R	P
D	R	E	B	B	A	Y	E	I	N	S	C	R	E	M	O	S
I	E	U	R	O	P	E	R	M	S	C	A	A	R	E	U	U
N	T	U	O	R	T	Y	U	S	T	T	T	C	U	T	S	O
E	R	S	M	A	I	T	T	A	L	E	N	N	T	A	R	R
G	R	U	D	N	G	I	L	L	U	I	I	A	A	R	O	O
Y	U	A	S	S	E	D	U	I	O	D	F	E	R	H	T	V
X	M	E	K	H	Y	I	C	N	M	M	D	P	E	T	A	I
O	C	N	C	B	S	B	A	I	A	L	E	O	P	W	D	N
T	A	R	B	G	N	R	U	D	S	A	R	R	M	O	E	R
T	E	A	G	F	I	U	Q	G	R	H	O	U	E	R	R	A
P	Y	E	R	E	D	T	A	A	P	L	G	E	T	G	P	C

A
Algae
Aquaculture
Australian Bass

C
Catfish
Cormorant

D
Dam
Diet

E
Eggs
European Carp

F
Food Supply

G
Growth Rate

I
Insect

M
Moults
Murray Cod

O
Oxygen

P
Perch
PH
Predators

R
Redfin

S
Salinity

T
Tanks
Temperature
Trout

Y
Yabber
Yabby
Yellowbelly



AQUACULTURE ANSWERS

A	U	S	S	S	A	B	N	A	I	L	A	R	T	S	U	A
E	U	R	O	P	D	O	C	Y	A	R	R	U	M	M	U	R
A	Q	U	A	C	U	Y	L	P	P	U	S	D	O	O	F	R
T	N	A	R	O	M	R	O	C	H	S	I	F	T	A	C	A
P	Y	T	I	N	I	L	A	S	C	A	D	E	A	G	L	A
Y	L	L	E	B	W	O	L	L	E	Y	A	P	D	E	R	P
D	R	E	B	B	A	Y	E	I	N	S	C	R	E	M	O	S
I	E	U	R	O	P	E	R	M	S	C	A	A	R	E	U	U
N	T	U	O	R	T	Y	U	S	T	T	T	C	U	T	S	O
E	R	S	M	A	I	T	T	A	L	E	N	N	T	A	R	R
G	R	U	D	N	G	I	L	L	U	I	I	A	A	R	O	O
Y	U	A	S	S	E	D	U	I	O	D	F	E	R	H	T	V
X	M	E	K	H	Y	I	C	N	M	M	D	P	E	T	A	I
O	C	N	C	B	S	B	A	I	A	L	E	O	P	W	D	N
T	A	R	B	G	N	R	U	D	S	A	R	R	M	O	E	R
T	E	A	G	F	I	U	Q	G	R	H	O	U	E	R	R	A
P	Y	E	R	E	D	T	A	A	P	L	G	E	T	G	P	C

A
Algae
Aquaculture
Australian Bass

C
Catfish
Cormorant

D
Dam
Diet

E
Eggs
European Carp

F
Food Supply

G
Growth Rate

I
Insect

M
Moults
Murray Cod

O
Oxygen

P
Perch
PH
Predators

R
Redfin

S
Salinity

T
Tanks
Temperature
Trout

Y
Yabber
Yabby
Yellowbelly

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A Division of The McGraw-Hill Companies

GOOD NEWS! All BAAT Members are now entilted to a 10% discount when purchasing from McGrath-Hill Australia Book Publishing Company.

FIBRES

D	C	O	E	R	E	M	H	S	A	C	P	A	P	C
N	C	L	O	T	H	I	N	G	B	B	L	I	S	L
A	P	F	L	A	P	M	E	H	C	A	S	H	M	C
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F	A	E	T	U	J	R	T	G	P	E	E	H	S	T
L	A	M	W	J	E	C	O	N	H	E	M	S	W	E
A	R	U	O	P	S	H	O	S	R	X	P	T	L	H
R	O	J	A	I	S	T	T	T	E	A	E	I	O	T
U	G	P	L	T	T	W	L	N	B	L	R	B	O	N
T	N	K	A	O	U	O	E	A	B	F	B	B	W	Y
A	A	O	C	W	R	E	F	L	U	A	I	A	O	S
N	G	R	I	A	H	O	M	P	R	R	F	R	G	G

A
Angora

C
Cashmere
Clothing
Cotton

F
Felt
Flax
Fibre

G
Goats

H
Hemp

J
Jute

M
Mohair

N
Natural

P
Papyrus
Plants
Paper

R
Rabbits
Rubber

S
Sheep
Silk
Synthetic

W
Wool

REMINDER:

HAVE YOU PAID YOUR

NSWAAT FEES ?

FIBRES ANSWERS

D	C	O	E	R	E	M	H	S	A	C	P	A	P	C
N	C	L	O	T	H	I	N	G	B	B	L	I	S	L
A	P	F	L	A	P	M	E	H	C	A	S	H	M	C
L	L	N	L	X	G	S	U	R	Y	P	A	P	N	I
F	A	E	T	U	J	R	T	G	P	E	E	H	S	T
L	A	M	W	J	E	C	O	N	H	E	M	S	W	E
A	R	U	O	P	S	H	O	S	R	X	P	T	L	H
R	O	J	A	I	S	T	T	T	E	A	E	I	O	T
U	G	P	L	T	T	W	L	N	B	L	R	B	O	N
T	N	K	A	O	U	O	E	A	B	F	B	B	W	Y
A	A	O	C	W	R	E	F	L	U	A	I	A	O	S
N	G	R	I	A	H	O	M	P	R	R	F	R	G	G

A
Angora

C
Cashmere
Clothing
Cotton

F
Felt
Flax
Fibre

G
Goats

H
Hemp

J
Jute

M
Mohair

N
Natural

P
Papyrus
Plants
Paper

R
Rabbits
Rubber

S
Sheep
Silk
Synthetic

W
Wool







FIELD CROPS

L I N S E E D T R B C A N E C A O N O
R W F T O B A C O R G U N S U C C F S
I H F H R I C T E N L A E N C B I O A
C E A W S D N W I G C R G A D S F O F
N N S G L B O H L R B N B O L P R G F
T T A I G L T R A I L O O R I O E L L
R O A R F O A G F R T F P E A R W B S
I M O N L B U N A E B A Y O S C O L T
T S U C B S B A L O N A C A B D L R U
E S E S L I T N E L I P E L O L F A N
L E L I I N C L S A L P O E N E F G A
A I M R R O T E O M D S S I A I A U E
C F U T T T N I R L B E N F C F S S P
I B H N T T E F E G P A I N E Z I A M
T L G L A O L I A S L U P Y E L R A B
I I R R E C F P T S U N U F L O N G A
R A O A H C U A C A N O L A E Y R L I
T M S B W L O C A E C I R S A F F L O

B
Barley

C
Canola
Clothing
Cotton

F
Fibre
Fieldcrops
Food

L
Lentils
Linseed
Lupins

M
Maize

O
Oats

P
Peanuts

R
Rice
Rye

S
Safflower
Sorghum
Soya bean
Sugarcane
Sunflower

T
Tobacco
Triticale

W
Wheat

FIELD CROPS ANSWERS

L	I	N	S	E	E	D	T	R	B	C	A	N	E	C	A	O	N	O
R	W	F	T	O	B	A	C	O	R	G	U	N	S	U	C	C	F	S
I	H	F	H	R	I	C	T	E	N	L	A	E	N	C	B	I	O	A
C	E	A	W	S	D	N	W	I	G	C	R	G	A	D	S	F	O	F
N	N	S	G	L	B	O	H	L	R	B	N	B	O	L	P	R	G	F
T	T	A	I	G	L	T	R	A	I	L	O	O	R	I	O	E	L	L
R	O	A	R	F	O	A	G	F	R	T	F	P	E	A	R	W	B	S
I	M	O	N	L	B	U	N	A	E	B	A	Y	O	S	C	O	L	T
T	S	U	C	B	S	B	A	L	O	N	A	C	A	B	D	L	R	U
E	S	E	S	L	I	T	N	E	L	I	P	E	L	O	L	F	A	N
L	E	L	I	I	N	C	L	S	A	L	P	O	E	N	E	F	G	A
A	I	M	R	R	O	T	E	O	M	D	S	S	I	A	I	A	U	E
C	F	U	T	T	T	N	I	R	L	B	E	N	F	C	F	S	S	P
I	B	H	N	T	T	E	F	E	G	P	A	I	N	E	Z	I	A	M
T	L	G	L	A	O	L	I	A	S	L	U	P	Y	E	L	R	A	B
I	I	R	R	E	C	F	P	T	S	U	N	U	F	L	O	N	G	A
R	A	O	A	H	C	U	A	C	A	N	O	L	A	E	Y	R	L	I
T	M	S	B	W	L	O	C	A	E	C	I	R	S	A	F	F	L	O

B
Barley

C
Canola
Clothing
Cotton

F
Fibre
Fieldcrops
Food

L
Lentils
Linseed
Lupins

M
Maize

O
Oats

P
Peanuts

R
Rice
Rye

S
Safflower
Sorghum
Soya bean
Sugarcane
Sunflower

T
Tobacco
Triticale

W
Wheat

NORTHERN SCHOOLS PRIME LIVESTOCK (STEER) COMPETITION - 1999



Uralla and Walcha Central schools (Rowan Chandler and Tony Barnett) hosted the above competition at Walcha Showground on Thursday 4th November (Hoof) and on Saturday 6th November (Hook) at Tamworth Abattoirs (Cagile Meak).

This very popular competition included 22 schools and 72 steers along with a couple of hundred students, teachers, parents, and supporters.

The schools included:

Armidale High School
Ashford Central School
Barraba Central School
Bundarra Central School
Calrossy Catholic College
Farrer MAHS School
Glen Innes High School
Holy Trinity School – Inverell
Inverell High School
MacIntyre High School
Merrwa Central School
Moree Technology High School
New England Girls School
O'Connor Catholic High School
St,. Mary's School Gunnedah
St. Joseph's Glen Innes
Tenterfield High School
The Armidale School
Ulalla Central School
Walcha Central School
Warialda High School

The hoof and hook sections of the competition were again very poplar. The hoof judge was Bobby Walker of Woolworth's and the hook judges were Alister Raynor, Michael Bee and Bob Gordon all from NSW Agriculture. It should be noted that they are now onto Abcam 4.1 which now includes eating quality characteristics in time with the M.S.A. grading system and includes meat pit a new marbling scoring system and a weight for maturity (classification) score.

Besides the hoof and hook sections of the competition there was a student steer assessment competition and a parading competition.

HOOF WINNERS

Light weight	□380kg	Wanalda High School
Medium weight	380-430 kg	
Heavy weight	430-480kg	Holy Trinity School Inverell
Super Heavy Weight	□480kg	MacIntyre High School

RESERVE CHAMPION

Holy Trinity School Inverell
Murray Grey x Limo

GRAND CHAMPION

MacIntyre High School
Charalois x Hereford

HOOK WINNERS

Light weight	Glen Innes High School
Medium weight	Uralla Central School
Heavy weight	Inverell High School
Super heavy weight	Calrossy Catholic College

OVERALL CHAMPION STEER

St. Mary's School, Gunnedah

RESERVE CHAMPION CARCASE:

Calrossy Catholic College

GRAND CHAMPION CARCASE:

Uralla Central
Murray Grey

The sixteenth, annual Northern Schools Prime Livestock Competition will be hosted by Barraba Central School next year. The hosts will be Debbie York and Peter Laffan.

SOME GOOD ANSWERS FOR NEXT YEARS QUESTIONS !

1 h: **Question**: Outline a possible strategy for value adding to increase returns from the product.

Answer: 1. Load your truck up with weights before going over the weigh-bridge and then take them off after unloading.

Answer: 2. Lie

2aiv: As the piggeries decreased the other piggeries took over their females.

9 bi: Antigen is a gene, which has the ability to prevent certain diseases.

9 c: For bloat the farmer has to stab into the heart and this can sometimes kill the cow.

10 e: **Question:** Outline the activities used by Total Catchment Management and Landcare programs to improve the sustainable use of land and water.

Answer: 1. Tree planting – stops erosion gives natural shade producing vitamin D.

Answer: 2. The effectiveness of the activities used by Total Catchment Management and Landcare are very effective as they help improve the sustainable use of land and water. They have improved our land and water dramatically since 100's of years ago when it was falling apart, cracks every where you went, but now it is not like that everywhere you go, you might come across the odd crack or two but not heaps like you would have use too. Our water is good as well it all tastes different everywhere you go and that is due to the environment which is around that area. Some water is good and some of it bad but rainwater would have to be the cleanest and nicest. But TCM has clean our water up and the environment and has made bad water into good drinking water.

AGRICULTURE Offers exciting opportunities

NSW Agriculture's Colleges offer a range of courses in the food and fibre industries

- Full time residential courses
- Part time courses (traineeships and apprenticeships)
- Home Study courses

New Courses:

- National Diploma and Advanced Diploma in Rural Business Management
- Viticulture and Food Processing Certificates
- Certificate in Rural Skills (Aboriginal Communities)

Agricultural College Courses are for:

- School Leavers
- Land Holders
- People working on farms
- New entrants to agriculture
- Aboriginal communities
- Food and fibre products

NSW Agriculture



FOR FURTHER INFORMATION

Murrumbidgee College of Agriculture
Yanco NSW 2703
Ph (02) 6951 2700

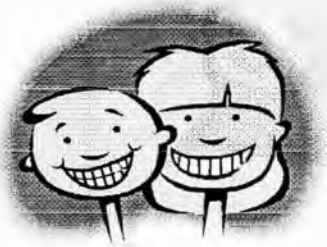
C B Alexander Agricultural College Tocal
Paterson NSW 2421
Ph 1800 025520

NSW Association of Agriculture Teachers Inc.

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RIB TICKLERS







LIFE'S LITTLE LAUGHES!



1. Does the Little Mermaid wear an algebra?
2. Do infants enjoy infancy as much as adults enjoy adultery?
3. How do I set my laser printer on stun?
4. How is it possible to have a civil war?
5. If all the world is a stage, where is the audience sitting?
6. If love is blind, why is lingerie so popular?
7. If the #2 pencil is the most popular, why is it still #2?
8. If work is so terrific, how come they have to pay you to do it?
9. If you ate pasta and antipasto, would you still be hungry?
10. If you try to fail, and succeed, which have you done?
11. Is a castrated pig disgruntled?
12. Why do they call them "hemorrhoids" instead of "asteroids"?
13. Why is it called tourist season if we can't shoot at them?
14. Why is the alphabet in that order? Is it because of that song?
15. What happens when none of your bees wax?
16. Where are we going? And what's with this hand basket?
17. Why is there an expiration date on sour cream?
18. Is Santa so jolly because he knows where all the bad girls live?
19. Why are they called apartments when they are joined together?
20. If you're born again, do you have two bellybuttons?
21. If most car accidents occur within five miles of home, why doesn't everyone just move 10 miles away?
22. I went to a bookstore and asked the saleswoman, "Where's the self-help section?" She said if she told me, it would defeat the purpose.
23. If the black box flight recorder is never damaged during a plane crash, why isn't the whole areoplane made out of the same stuff?
24. If man evolved from monkeys and apes, why do we still have monkeys and apes?
25. If all those psychics know the winning lottery numbers, why are they all still working?
26. If one synchronized swimmer drowns, do the rest have to drown too?



THE IRISH GLOSSARY OF COMMERCE, BUSINESS AND COMPUTER TERMS

ACCOUNTING	Like: A' Spelling
BAD DEBTS	Debts you can't get out of
BP	A Service Station
CHEQUE	See if its okay
COMMERCIAL STUDIES	Watching too much television
DISCOUNT	As opposed to Dat Count
DOS	Opposite to DONT'S
FIXED ASSET	As opposed to a broken asset
GENERAL LEDGER	Commander of the Irish Army
GENERAL JOURNAL	His mate
HARD DRIVE	A really quick automobile journey
I.T.	It?
IBM	A contraceptive device
INVOICE	Spoken
LASER PRINTER	A printer who doesn't work very hard
MACINTOSH	An Irish Folk Singing Duo
MICRO CHIP	Another name for French Fries
MICROSOFT	Micheals not a good rower
MS-DOS	Mr Dos's daughter
OUTSTANDING ACCOUNT	Thank you!
PABX	A what?
PARAGRAPHS	Two graphs
PC	A Police Constable
PROGRAM	In favour of metric weights
ROM	To walk about aimlessly or the capital of Italy
SECRETARIAL	A hidden radio antenna
SHORTHAND	What babies have
SOFTWARE	Woolen clothing
SPREAD SHEET	Preparing for bed
STOCK TAKING	Petty theft
TABULATE	Tabbing someone after the game is finished. (considered unfair!)
TRANSCRIBE	Across a cribe
WORK IN PROGRESS	Forgot all about it

T·R·A·N·S·L·A·T·I·N·G STUDENT REPORT CARD BULLSH*T



REPORT CARD BULLSH*T

TEACHER'S COMMENT	TRANSLATION
A somewhat shy girl	Still a virgin
She is somewhat shy but making efforts to expand her	Still has her virginity but is trying to lose it
A very popular young lady	The class bike
She tends to be moody	Has period problems
Would make a lovely mother	Is pregnant
He is a very keen reader	He hides copy of Penthouse inside
He strongly favours the biological sciences.	Actually read the articles in Penthouse.
She tends to have trouble settling down each day.	I think she's pregnant and has morning sickness.
Takes a keen interest in	Copies homework form other kids
Rarely brings proper	Has sold all her schoolbooks to buy
Has a good sense of line and proportion	Doodles in class
Could take more care with his personal appearance	Washes once a month
Needs to improve personal hygiene	Not toilet-trained



REPORT CARD BULLSH*T

TEACHER'S COMMENT	TRANSLATION
Has written about some interesting	Has lurid sexual fantasies.
An interesting literary style	Writes obscene short stories; has great
Strong leadership qualities	A gang leader
Achieved a few breathtaking moments	Farts in class
I find this child upsets me.	I am having marital problems.
This result does not truly reflect	I'm a terrible teacher.
May do better in a more academically orientated school	This is a terrible school.
May do better in a less academically orientated school	Potential process worker
Your child is a credit to the family and the school.	We know you have lots of money and could you please make a large donation to the school







So you've made it out of school with a C in maths, a B in history and an A in garbage detail. But did you learn anything useful? Did the school equip you for a job? More importantly, did it give you a mastery of Australian Bullshit so that you can write extremely impressive job applications that don't actually say anything? For it is when you have to find a job or change jobs that you again unavoidably encounter the challenge of using and translating Australian Bullshit.

REPORT CARD BULLSH*T

TEACHER'S COMMENT	TRANSLATION
When motivated can produce fine work	Did homework twice this term
Bookwork very neat	I can read her writing
Lacks listening skills	Daydreams in class
Reading age should improve	Hoping to wean him off comics
Tends to lose concentration	Has an IQ of ten
Has fine command of the English	Potential used car salesman
At times exhibits laziness	Potential public servant
Has trouble comprehending some mathematical concepts	Has big future as road worker
Needs to adopt a more positive attitude to herself	Thinks she has the wrong answer when she has the right one; potential
Has limited musical ability	Tone-deaf
Has an inquiring mind	Keeps asking me questions that I have to look up the book to answer
A pleasure to teach	Explains the problems to me
Exhibits great school spirit	Hopeless at studies but does well at sport

REPORT CARD BULLSH*T

TEACHER'S COMMENT	TRANSLATION
Lacks school spirit	Beats up on other students at lunchtime
Is a trifle emotional	Bursts into tears frequently
Has a disrespectful manner	Threatened to bash me up
Has a negative attitude	Bashed me up
Extremely intelligent	Knows more than I do
An over-active mind	Drives me bananas fidgeting all the time
Well-mannered	Doesn't swear in class
A confident young man	Spends class time trying to chat up the female students
Has had great trouble settling down	Is hated by other students and the
Shows great diligence as a library	Gets beaten up if he shows his face in
Meticulous	A hair-splitting know-all
Is popular throughout the entire school	Shouts other kids cigarettes all the time
Is very mature for his age	Smokes marijuana
Seems to lack a proper concern for the future	Is on hard drugs

REPORT CARD BULLSH*T

TEACHER'S COMMENT	TRANSLATION
Improved effort	Passed
Vastly improved	Passed (to my surprise)
Showed application to pass this Year	Passed (to his own surprise)
Showed great application to pass	Passed (to both our surprise)
Applies herself with zest	Stays awake during class
Worked to capacity	Thick
Barely worked to capacity	Can't spell her own name
Shows great persistence	Thick but does homework
A solid performance	Pretends to do homework but doesn't
A good term's work	I don't recall this child
A fair term's work	None of the teachers recall this child
Is capable of achieving an excellent report with proper motivation	A hopeless case
Is not performing to his full	Sleeps during class
Gives only glimpses of his full	Wakes up when I ask him a question
Has great potential	Wakes up when I ask him a question and then answers the question correctly



REPORT CARD BULLSH*T

TEACHER'S COMMENT	TRANSLATION
Has some ability	Which he hides well
Actively participates in class	Will not shut up
Is possessed of a vivid imagination	Lies
Prominent in class	Sits up the back and shouts
Appears to be possessed of self-doubt	Refuses to answer questions in class
Usually co-operative	Shuts up when I tell her to
Is an unpredictable student	Sometimes gets the answer right
Reserved	Bright but socially inept
Forthright	Swears in class
Presented a unique project	Failed to answer the actual question
Limited research ability	Can't read
Shows herself adept at practical	Can tie her own shoelaces
Calligraphy skills are excellent	Forges your signature on absentee notes
Needs to pay more attention in class	Stares out the window all the time
Cannot tolerate authority	Shouts louder than I do
Greater effort is needed on a more frequent basis	Did homework once this term





Did you know.....







The medical term 'flatulence' refers to any wind in the stomach, intestines or bowels, which causes belching, bloating or the passage of flatus from the back passage. We swallow air everyday, usually subconsciously, and this air passes down the intestinal tract where it mingles with other gases produced by the breakdown of food-stuffs. Flatus consists of carbon dioxide, nitrogen, hydrogen and methane; and is quite flammable. On average we pass flatus 10-20 times per day – both sexes equally!!

THE SCHOOL PLAY

Two small eight year old boys were scheduled to be in their school's play, each having a small part with a line each.

The first lad's line was: Oh, fair maiden, I have come to snatch a kiss and fill your soul with hope. The second lad was supposed to appear immediately on hearing that line and say: Hark! I hear a pistol shot.

As the opening day grew nearer, the boys grew more and more nervous, realising that their parents had front row seats.

The curtain rises and the first lad appears, rather hesitantly and blurts out:

"Oh, fair maiden, I have come to kiss your snatch and fill your dole with soap"

The second lad, upon hearing that, appears even more nervous, cups his hand to his ear and stammers:

"Hark! I hear a pistil shit, and shisle pit, shostle pot, postle shit, pit shot, shit pot, cow shit, bull shit.
I didn't want to be in this BLOODY play in the first place !"







LIFE





Life is an endless struggle, full of frustrations and challenges, but eventually you find a hair stylist you like.

The real art of conversation is not only to say the right thing in the right place, but also to leave unsaid the wrong thing at the tempting moment.

Time may be a great healer but it's also a lousy beautician.

Brain cells come and go but fat cells live forever.

Life not only begins at forty, it begins to show.

You don't stop laughing because you grow old; you grow old because you stop laughing.

It is bad to suppress laughter; it goes back down and spreads to your hips.

Age is important only if you're cheese and wine.

The only time a woman wishes that she were a year older is when she is expecting a baby.

Inside some of us is a thin person struggling to get out, but he/she can usually be sedated with a few pieces of chocolate cake.









Teachers Day

On a special Teachers Day, a kindergarten teacher was receiving gifts from her pupils.
The florist's son handed her a gift. She shook it, held it overhead, and said, *"I bet I know what it is, some flowers." " That's right"* said the boy, *" but how did you know that?" "Oh just a wild guess,"* she said.
The next pupil was the candy store owner's daughter. The teacher held her gift over head, shook it, and said, *" I bet I can guess what it is a box of candy." " That's right, but how did you know?* "asked the girl. *"Oh, just a wild guess,"* said the teacher.
The next gift was from the son of the liquor store owner. The teacher held it overhead, but it was leaking. She touched a drop of the leakage with her finger and touched it to her tongue. *"Is it wine?"* she asked. *"No"* the boy replied. The teacher repeated the process, touching another drop of the leakage to her tongue. *" Is it champagne?"* she asked. *"No"* the boy replied. The teacher then said, *"I give up, what is it?"* The boy replied, *"A puppy!"*

Farmers

There was a farmer who raised watermelons. He was disturbed by some local kids would sneak into his watermelon patch at night and eat watermelons. After some careful thought he came up with a clever idea that he thought would scare the kids away for sure. So he made up the sign and posted it in the field. The next day the kids show up and they see this sign, it says "Warning, one of the watermelons in this field has been injected with cyanide."
So the kids run off, make up their own sign and post it next to the sign that the farmer made. The farmer shows up the next week and when he looks over the field he notices that no watermelons are missing but he notices a new sign next to his. He drives up to the sign, which read: "Now there are two".

An agriculture student said to a farmer: "Your methods are too old fashioned. I won't be surprised if this tree will give you less than twenty pounds of apples."
"I won't be surprised either," said the farmer, "this is an orange tree".

A farm boy was drafted. On his first furlough, his Father asked him what he thought of Army life.
"It's pretty good Pa. The food's not bad, the work's easy but best of all, they let ya sleep real late in the morning."

There was a farmer who had many pigs. One day someone went to the farm and asked the farmer: "What do you use to feed your pigs?"
"Well, I give them acorn, corn, and things like that. Why?"
"Because I am from the Animals Protection Association and I think you don't feed them like you should, they shouldn't eat wastes."
Then he fined the farmer.
Some days later, another person arrived and asked the same question. The farmer answered: "Well, I feed them very well. I give them salmon, caviar, shrimp, steak...why?"
"Because I am from the United Nations Organization and I think it's unfair that you feed your pigs like that when there are people dying with nothing to eat."
And he fined the farmer.
Finally, another man came in and asked just the same question. The hesitant farmer answered after a few minutes:
"Well, I give five dollars to each pig so they can buy whatever they want."

Two cows were talking in the field one-day.
First Cow: Have you heard about the Mad Cow disease that's going around?
Second Cow: Yeah, makes you glad you're a penguin, doesn't it?

Real Teachers

1 Real teacher's grade papers in the car, during commercials, in faculty lounges and has been seen grading in church.
2 Real teacher's cheer when they hear April 1 does not fall on a school day.
3 Real teachers drive older cars owned by credit unions.
4 Real teachers clutch a pencil while thinking and make notes in the margins of books.
5 Real teachers can't walk past a crowd of kids without straightening up the line.
6 Real teachers have disjointed necks from writing on boards without turning their backs on the class.
7 Real teachers are written up in medical journals for size and elasticity of kidneys and bladders.
8 Real teachers have been timed gulping down a full lunch in 2 minutes, 18 seconds. Master teachers can eat faster than that.
9 Real teachers can predict exactly which parents will show up at Open House.
10 Real teachers never teach the conjugations of lie and lay to eighth graders.
11 Real teachers know it is better to seek forgiveness than to ask permission.
12 Real teachers know the shortest distance and the length of travel time from their classroom to the office.
13 Real teachers can "sense" gum.
14 Real teachers know the difference among what must be graded, what ought to be graded, and what probably should never again see the light of day. AMEN!!!!!
15 Real teachers are solely responsible for the destruction of the rain forest.
16 Real teachers have their best conferences in the parking lot.
17 Real teachers buy Excedrin and Advil in bulk.
18 Real teachers will eat anything that is put in the workroom/teacher's lounge.
19 Real teachers know secretaries and custodians run the school.
20 Real teachers hear the heartbeats of crisis; always have time to listen; know they teach students, not subjects; and they are absolutely non-expendable.





Top Ten Ways To Know If Teachers Hate You

1. They can't stop yelling at you.
2. Taking you to the principal is their daily exercise.
3. They give you a F on a no count quiz.
4. Your gym teacher puts in to effect the three strikes your out rule: Miss three balls and your suspended.
5. You carry everything back after softball.
6. They give you season tickets to the Mets.
7. They tell you to shovel out the parking lot, while the janitor takes the plow for a joy ride.
8. A masked robber breaks into your house and leaves a ransom note with homework.
9. They Constantly Stare at you.
10. They make you know the principal personally.

MY FAMILY

Let me introduce you to my family,
bear with me, it's not very big.
I will mention the important members
in this home of a dual-purpose pig.

Listen to those piglets screaming.
Making demands of their mum –
for some tucker.
Barely four weeks old, you know,
but each one is a definite sucker.

I feel sorry for that little Raymond,
his big brothers never let him near the teat.
He was always a poor scrawny piglet.
Being a runt is no mean feat.

Those piglets don't know it,
but they are always on show.
If one sucker stands out,
old farmer Joe will know.
If they are not up to scratch,
being a boar is no go.
So the boys are castrated,
and spend life "a barrow".

All good things must come to an end.
Especially for these little screamers.
They only have six weeks with mother,
then its out, and about, as weaners.

My favourite, in here, is Gillian Guilt,
a sweetie, so young and petite.
She is expecting her first letter soon,
we think she will farrow by the
end of next week.

Make the most of it Gillian,
enjoy being a guilt for now.
As soon as your first litter arrives,
you'll spend the rest of your life
- as a sow.

Steven the store is a skinny excuse
when compared to his brothers and mates.
He needs to put on some kilos
before he'll make the market gates.

Over there is Percy the porker,
I hear he has no great ambition,
(he is between 40/70 kilograms)
but he's in prime porker condition.

When comparing Percy and Steven
it's like comparing copper to gold.
But their ages are almost identical.
They are both 5-6 months old.

Now six months is up,
and it is nearly time
for Percy to say "Bye" to his mates.
Soon he will join Uncle Arthur
at the stores, on the shelves, as steaks.

Well now, here is Basil Baconer
after 6-8 months he's a treat.
A pig in prime market condition,
moderate fat, with ample lean meat.

Over here is Charlie the Choppper,
he's one of the heavyweight dags,
at 110kgs plus, he is too big for bacon,
my guess is he'll end up in snags.

Over there is a friend
(ex Benny the Boar)
farmer Joe thinks he's a fag.
So after a quick castration –
Benny boar became Benny the stag.

Benny's brother Ron
was a strange sort of pig.
He had dropped only one testicle,
so that made him a bit of a rig.

I was very annoyed,
and worried for a while,
because farmer Joe only half did the job,
and Ron was still quite fertile.

So now you have met all my family.
To meet, there is only one more.

Have your guessed just who I might be.
that's right,
I'm BORIS, THE BOAR.





IT IS DIFFICULT TO SOAR WITH EAGLES... WHEN YOU WORK WITH TURKEYS !



Cotton Australia's World Wide Web Site:-
www.cottonaustralia.com.au
Carries a lot of general information on cotton growing in Australia, and we can be emailed for further information on
cottonaus@cottonaustralia.com.au

This web site includes an interactive education section where students can, among other things, design their own farm, including setting up crop rotations, etc

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COTTON AUSTRALIA

VIDEO CATALOGUE

Some Excellent Video's if you would like more information fax Matthew Passmore at Red Bend College 02 6852 2000.

NAME OF PROGRAM	DEPT	TAPE NO	CONTENTS	LENGTH	LEVEL
1985 Tree care awards	Ag	*V 13/5	Environment	30 Mins	7-12
1988 New releases	Ag	*V 6/1	Machinery	20 Mins	7-12
300 Million year war. Insects	Ag	*V 4/15	Pest	30 Mins	7-12
353 Grinder mixer	Ag	*V 6/5	Machinery	20 Mins	7-12
A case for conservation	Ag	*V 14/3-68	Environment	20 Mins	7-12
A matter of fate	Ag	*V 3/5-1.86.39	Environment	50 Mins	7-12
A tree planting program	Ag	*V 24/7	Environment	20 Mins	7-12
A weed called Mimosa	Ag	*V 18/8	Pest	20 Mins	7-12
A winters tale. '500'	Ag	*V 14/2	Organic Framing	20 Mins	7-12
Additional measurement	Ag	*V 12/11	Wool	20 Mins	7-12
Air cooled engine technology	Ag	*V 10/5	Machinery	20 Mins	7-12
Aloe Vera	Ag	*V 4/2	Medical	10 Mins	7-12
Alternative fuels. 1	Ag	*V 16/4-90	Energy	20 Mins	7-12
Alternative fuels. 2	Ag	*V 16/5-90	Energy	20 Mins	7-12
Automatic stock kill	Ag	*V 15/10	Machinery	10 Mins	7-12
Basic tillage implements	Ag	*V 13/1-67	Machinery	20 Mins	7-12
Beef exports	Ag	*V 15/8	Cattle	10 Mins	7-12
Bio/control-Orchard mite	Ag	*V 17/5-91	Biology	20 Mins	9-12
Bio/control-Sirex wasp	Ag	*V 17/6-91	Biology	20 Mins	9-12
Blackberry rust	Ag	*V 15/1	Pest	10 Mins	7-12
Blooming disaster. Flower trade	Ag	*V 12/5	Ecology	10 Mins	7-12
Boiled wheat	Ag	*V 1/9	Feed	10 Mins	7-12
British longwool/less common breeds	Ag	*V 25/3	Commerce	20 Mins	7-12
Cattle drench deaths	Ag	*V 5/14	Cattle	10 Mins	7-12
Cattle duffing in Qld.	Ag	*V 11/6	Cattle	25 Mins	9-12
Cattle embryo transplants	Ag	*V 11/7	Biology	10 Mins	9-12
Cattle from TB affected areas	Ag	*V 11/3	Cattle	15 Mins	7-12
Cattle losses	Ag	*V 4/14	Cattle	10 Mins	7-12

NAME OF PROGRAM	DEPT	TAPE NO	CONTENTS	LENGTH	LEVEL
Cattle store buying	Ag	*V 23/1	Cattle	10 Mins	7-12
Cattle yards	Ag	*V 23/7	Machinery	10 Mins	7-12
Cattle yards design	Ag	*V 23/9	Machinery	10 Mins	7-12
Cattle-selective breeding	Ag	*V 15/12-90	Cattle	20 Mins	9-12
Challenge, a new company	Ag	*V 4/7	Employment	10 Mins	7-12
Chemical contamination	Ag	*V 18/7	Environment	10 Mins	9-12
Chemical residues	Ag	*V 5/12	Environment	10 Mins	9-12
Clean clear water	Ag	*V 14/8	Ecology	10 Mins	7-12
Cockchafers	Ag	*V 1/7	Pest	10 Mins	7-12
Computers on farms	Ag	*V 19/6	Computers	30 Mins	7-12
Counseling service's	Ag	*V 4/6	Medical	10 Mins	9-12
Country food	Ag	*V 1/8	Produce	10 Mins	7-12
Crop production cycle-cotton	Ag	*V 18/1-92	Cotton	20 Mins	7-12
Dairy farming– the future	Ag	*V 18/4-92	Cattle	30 Mins	7-12
Death of the black forest	Ag	*V 1/4	Environment	20 Mins	7-12
Demonstration procedures	Ag	*V 10/4	Machinery	15 Mins	7-12
Designation. 6	Ag	*V 8	Machinery	30 Mins	7-12
Digestion in pigs, sheep & fowls	Ag	*V 16/3-67	Biology	20 Mins	9-12
Diversity or dust	Ag	*V 3/2-1.86.39	Environment	50 Mins	9-12
Drought feeding of stock	Ag	*V 23/5	Feed	10 Mins	7-12
Drought times	Ag	*V 4/12	Environment	10 Mins	9-12
Dual purpose breeds/meat, wool production	Ag	*V 25/1	Commerce	15 Mins	7-12
Ecosystems and interactions	Ag	*V 14/5-2.90.122	Ecology	15 Mins	9-12
Egg production	Ag	*V 5/13	Produce	10 Mins	7-12
Environ/project-reading the land	Ag	*V 14/10-68	Environment	25 Mins	9-12
European wasps	Ag	*V 1/3	Pest	10 Mins	7-12
Export ban on live sheep	Ag	*V 1/15	Sheep	10 Mins	7-12
Farm poisons (chemicals)	Ag	*V 11/9	Environment	10 Mins	7-12
Farm advertising	Ag	*V 4/5	Commerce	10 Mins	9-12
Farmer demo's	Ag	*V 1/6	Politics	10 Mins	9-12
Feedlots	Ag	*V 23/3	Feed	10 Mins	7-12
Feedlots (Farm operation)	Ag	*V 23/2	Feed	10 Mins	7-12
Feedlots in Australia	Ag	*V 23/4	Feed	10 Mins	7-12
Financial planning review	Ag	*V 19/4	Commerce	25 Mins	7-12
Fine wool and mohair	Ag	*V 16/6-92	Wool	25 Mins	7-12
Fine wools	Ag	*V 1/10-92	Wool	20 Mins	7-12
Fleeced dreams, shearing	Ag	*V 12/1	Wool	10 Mins	7-12
Flystrike	Ag	*V 25/5	Ecology	10 Mins	7-12
Foot and mouth war games	Ag	*V 4/13	Biology	10 Mins	9-12
Foot rot	Ag	*V 25/6	Ecology	20 Mins	7-12
Forbes farmer eviction	Ag	*V 5/8	Commerce	10 Mins	7-12
Ford front wheel drive	Ag	*V 10/3	Machinery	10 Mins	7-12
From Fibre to Fabric	Ag	*V 23/17	Wool	15 Mins	7-12
From field to freezer	Ag	*V 17/1	Commerce	20 Mins	7-12
Fruit pickers	Ag	*V 15/7	Commerce	10 Mins	7-12
Gason 'The sign of quality'	Ag	*V 6/8	Machinery	10 Mins	7-12
Gason Cultmaster	Ag	*V 6/6	Machinery	10 Mins	7-12

NAME OF PROGRAM	DEPT	TAPE NO	CONTENTS	LENGTH	LEVEL
Gason trashmaster	Ag	*V 6/7	Machinery	10 Mins	7-12
Genetic engineering. Pigs	Ag	*V 12/7	Biology	10 Mins	9-12
Goat trade	Ag	*V 5/2	Commerce	10 Mins	7-12
Going broke; wheat farmers	Ag	*V 11/8	Commerce	20 Mins	7-12
Good work	Ag	*V 3/4-1.86.39	Environment	50 Mins	9-12
Grain trade. Falie re-enactment	Ag	*V 5/1	Commerce	15 Mins	9-12
Grape quarantine	Ag	*V 11/5	Commerce	15 Mins	9-12
Grazing and mining problems	Ag	*V 12/10	Environment	10 Mins	9-12
Green desert	Ag	*V 15/4	Environment	10 Mins	7-12
Grizzly, the disc revolution	Ag	*V 10/10	Machinery	10 Mins	7-12
Grizzly, the fair dinkum digger	Ag	*V 6/11	Machinery	10 Mins	7-12
Group farming	Ag	*V 19/1	Commerce	40 Mins	7-12
Growing vegies with plastic	Ag	*V 5/11	Commerce	10 Mins	7-12
Growth promotants	Ag	*V 5/6	Biology	10 Mins	9/12
Hail cannons	Ag	*V12/3	Commerce	10 Mins	7-12
Haybine mower conditions	Ag	*V 10/7	Machinery	10 Mins	7-12
Header attachments	Ag	*V 21/5	Machinery	10 Mins	7-12
Hollywood extras. Texas l/horn	Ag	*V 12/4	Commerce	10 Mins	7-12
How to get the most from you working dog	Ag	*V 21/3	Skills	55 Mins	7-12
Hydroponic feed	Ag	*V 5/7	Feed	10 Mins	7-12
Hydroponics-another look	Ag	*V 14/1-91	Commerce	20 Mins	7-12
Improving tractor performance	Ag	*V 23/16	Machinery	10 Mins	7-12
Infected land. Chemical residues	Ag	*V 11/12	Environment	10 Mins	7-12
Infra-red land studies	Ag	*V 5/4	Environment	10 Mins	9-12
Intensive Pig & Egg production	Ag	*V 17/2-68	Commerce	25 Mins	7-12
Irradiation of food	Ag	*V 4/3	Commerce	10 Mins	9-12
Irrigation	Ag	*V 15/11-68	Commerce	25 Mins	7-12
Ivomec liquid for sheep	Ag	*V 22/1	Pest	15 Mins	7-12
Jobs for country kids	Ag	*V4/9	Employment	10 Mins	7-12
Komsic's kingdom	Ag	*V 11/13	Politics	20 Mins	7-12
Lab Lab summer forages	Ag	*V 21/4	Feed	10 Mins	7/12
Labour saving sheep yards	Ag	*V 10/12	Sheep	10 Mins	7-12
Lambmarking	Ag	*V 5/18	Sheep	10 Mins	7-12
Leaves of green	Ag	*V 14/7-57	Ecology	15 Mins	7-12
Lice control. Pour on's	Ag	*V1/14	Pest	10 Mins	7-12
Livestock feeding	Ag	*V 1/3-90	Feed	20 Mins	7-12
Loading race desgin and yards	Ag	*V 23/8	Machinery	10 Mins	7-12
Lupins	Ag	*V 1/2	Feed	10 Mins	7-12
Managing livestock in drought conditions	Ag	*V 25/4	Ecology	30 Mins	7-12
Managing the future	Ag	*V 19/3	Commerce	20 Mins	7-12
Measuring tractor performance	Ag	*V 10/1	Machinery	20 Mins.	7-12
Mechanical seeding	Ag	*V 13/2-67	Machinery	20 Mins.	7-12
Metabolisable energy	Ag	*V 9-yes	Feed	20 Mins.	9-12
Mice plague	Ag	*V 15/5	Pest	10 Mins.	7-12
Microbes and meat	Ag	*V 17/8-92	Commerce	20 Mins.	9-12
Mineral fertilizers	Ag	*V 5/17	Commerce	10 Mins.	7-12
Misfortune's Sons and Daughters	Ag	*V 21/1	Commerce	30 Mins.	7-12

NAME OF PROGRAM	DEPT	TAPE NO	CONTENTS	LENGTH	LEVEL
Mobile shearing shed	Ag	*V 12/9	Sheep	10 Mins	7-12
Model 411 Disc bine	Ag	*V 6/2	Machinery	5 Mins	7-12
Model 499 Pivot tongue haybine	Ag	*V 10/8	Machinery	5 Mins	7-12
Model 848 Round baler	Ag	*V 6/3	Machinery	10 Mina	7-12
Model TR 85 Twin-rotor combine	Ag	*V 6/4	Machinery	10 Mins	7-12
Modern shearing sheds	Ag	*V 10/11	Sheep	10 Mins	7-12
New vegie types	Ag	*V 4/8	Food	10 Mins	7-12
No business in the bush	Ag	*V 19/2	Commerce	30 Mins	7-12
On borrowed time. The Potter Planb	Ag	*V 20	Commerce	170 Min.	7-12
On farm weighing	Ag	*V 23/15	Machinery	10 Mins	7-12
On golden pond	Ag	*V 18/6	Commerce	10 Mins	7-12
Orange Nation Field Day	Ag	*V 13/6	Commerce	10 Mins	7-12
Picking steers for market	Ag	*V 15/13	Cattle	10 Mins	7-12
Pine plantations	Ag	*V 4/4	Commerce	15 Mins	7-12
Plant propagation	Ag	*V 18/10-91	Commerce	20 Mins	7-12
Pollution and alternative fuels	Ag	*V18/11-90	Environment	20 Mins	7-12
Populations	Ag	*V 15/6-2.90.122	Ecology	15 Mins	9-12
Prime lamb breeds/British shortwools	Ag	*V 25/2	Commerce	20 Mins	7-12
Private weather forecaster	Ag	*V 15/2	Commerce	10 Mins	9-12
Processing a primary product	Ag	*V 17/4-90	Commerce	20 Mins	9-12
Property legalities	Ag	*V 23/12	Law	10 Mins	7-12
Przewalski's horse	Ag	*V 15/14	Horse's	30 Mins	7-12
Qld. Grain growers	Ag	*V 15/3	Commerce	10 Mins	7-12
Rabbit problems again	Ag	*V 5/5	Ecology	10 Mins	7-12
Rabbits. Mixo failure	Ag	*V 12/6	Biology	10 Mins	9-12
Race horse's	Ag	*V 15/9	Commerce	20 Mins	9-12
Rare farm breeds	Ag	*V 4/10	Sheep	15 Mins	7-12
Ray Platt's answer to the drought	Ag	*V 15/15	Conservation	15 Mins	7-12
Re-locatable cattle yards	Ag	*V 23/6	Machinery	10 Mins	7-12
Roll a better bale	Ag	*V 7	Machinery	30 Mins	7-12
Rotary dairy	Ag	*V 18/1-68	Machinery	20 Mins	7-12
Salinity in the Murray	Ag	*V 14/9-90	Ecology	25 Mins	7-12
Scotch broom	Ag	*V 1/13	Environment	10 Mins	7-12
Seed savers co-op	Ag	*V 12/8	Commerce	10 Mins	7-12
Shearing workshop	Ag	*V 18/9-92	Sheep	20 Mins	7-12
Sheep and grain compatiblity	Ag	*V 23/11	Feed	10 Mins	7-12
Showdown at skid steer city	Ag	*V 10/6	Machinery	10 Mins	7-12
Soil conservation	Ag	*V 24/2	Environment	10 Mins	7-12
Soil conservation, farm plans	Ag	*V 24/3	Environment	10 Mins	7-12
Soil erosion, results of heavy rain	Ag	*V 24/4	Environment	10 Mins	7-12
Soil erosion, trials on farming land	Ag	*V 24/5	Environment	10 Mins	7-12
Some clostridial diseases/sheep	Ag	*V 16/7	Biology	20 Mins	9-12
Soya bean milk	Ag	*V 1/1	Commerce	10 Mins	7-12
Stockyards, scales, feeders	Ag	*V 23/14	Machinery	10 Mins	7-12
Stomach scans	Ag	*V 24/9	Commerce	10 Mins	7-12
Superfine wools	Ag	*V 1/11-92	Sheep	20 Mins	7-12

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Sustainable Agriculture. 'Landcare'	Ag	*V 21/7	Commerce	30 Mins	9-12
Taking control	Ag	*V 3/1-1.86.39	Environment	50 Mins	7-12
Taking the sheep to the dentist	Ag	*V 11/1	Sheep	10 Mins	7-12
The arid land	Ag	*V 3/6	Environment	25 Mins	7-12
The dung beetle	Ag	*V 17/7-68	Ecology	20 Mins	7-12
The forest as a resource	Ag	*V 14/4	Commerce	15 Mins	7-12
The green machine	Ag	*V 23/10	Machinery	10 Mins	7-12
The green snail	Ag	*V 11/4	Food	10 Mins	7-12
The lethal leaf (tobacco)	Ag	*V 11/10	Drugs	10 Mins	7-12
The muck and mystery men	Ag	*V 21/6	Organic farming	30 Mins	7-12
The promised land	Ag	*V 3/3-1.86.39	Environment	50 Mins	7-12
The satellite breakfast show. Ag is my business 1	Ag	*V 26/1	Commerce	80 Mins	7-12
The satellite breakfast show. Ag is my bussiness 2	Ag	*V 26/2	Commerce	80 Mins	7-12
The sateelite breakfast show. Cattle raising	Ag	*V 22/3	Commerce	80 Mins	7-12
The satellite breakfast show. Wool growing	Ag	*V 22/2	Commerce	80 Mins	7-12
The sunshine harvester	Ag	*V 13/3	Machinery	30 Mins	7-12
The Thalidomide farmer	Ag	*V 18/5	Adversity	15 Mins	7-12
The way it is. Bank re-claims	Ag	*V 12/2	Commerce	10 Mins	7-12
The yellow trail from Texas	Ag	*V 13/4	Wheat	30 Mins	7-12
Thompson cattle crush	Ag	*V 23/13	Machinery	10 Mins	7-12
Three costly days	Ag	*V 21/2	Pest	20 Mins	7-12
Tom Kruse. Mailman and carrier	Ag	*V 4/1	Humanity	20 Mins	7-12
Toxic waste	Ag	*V 1/5	Environment	30 Mins	7-12
TR 86/96 Twin rotor combine	Ag	*V 6/10	Machinery	20 Mins	7-12
Tractor deaths	Ag	*V 15/6	Humanity	10 Mins	7-12
Tractor performance monitor	Ag	*V 10/2	Machinery	10 Mins	7-12
Trade talks	Ag	*V 5/3	Commerce	10 Mins	9-12
Trees	Ag	*V 5/9	Environment	10 Mins	7-12
Tuberculosis eradication	Ag	*V 1/12	Biology	10 Mins	9-12
Turning the tide	Ag	*V 19/6	Commerce	30 Mins	7-12
Twin rotor combine	Ag	*V 10/9	Machinery	30 Mins	7-12
TX 34 Combine harvester	Ag	*V 6/9	Machinery	30 Mins	7-12
Ultra sound sheep. Booroola	Ag	*V 16/1	Sheep	10 Mins	7-12
Vet – First aid	Ag	*V 24/8	Biology	40 Mins	7-12
Wasp war (Sirex wasp)	Ag	*V 11/11	Biology	10 Mins	9-12
Water erosion and waterlogging	Ag	*V 24/6	Environment	15 Mins	7-12
Water. A precious resource	Ag	*V 3/7	Ecology	10 Mins	7-12
Weather forecasting	Ag	*V 17/9	Commerce	20 Mins	7-12
Wheat delegation. Overseas	Ag	*V 4/11	Wheat	10 Mins	9-12
Wheat farmers subsidy	Ag	*V 5/15	Commerce	10 Mins	9-12
Wheat sales; direct or otherwise	Ag	*V 11/2	Commerce	10 Mins	9-12
When the two line meet	Ag	*V 19/5	Commerce	25 Mins	7-12
Wide comb issue	Ag	*V 16/8	Commerce	20 Mins	9-12
Woman leader, Farmers Federation	Ag	*V 1/16	Politics	10 Mins	9-12
Wool	Ag	*V 5/16	Wool	5 Mins	7-12
Wool report	Ag	*V 16/2	Wool	10 Mins	7-12
Worm and soil production	Ag	*V 5/10	Ecology	10 Mins	7-12

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