



# PASTURE FERTILISER

- WHAT IS WRONG WITH THE SHEEP ENTERPRISE THAT IT CANNOT RECEIVE INPUTS
- FERTILISER TENDS TO BE A BUDGETRY CASUALTY



# ANECDOTAL EVIDENCE

- Healthy sheep
- higher stocking rate
- more/better wool
- higher lambing %
- more rain!!!
- Quicker growth after break



# BENCHMARKS

- 2 dse/10mlML RAIN
- 10 kg WOOL/100 ml RAIN
- 1.5K P AND K/ DSE
- 3.0k P AND K/100 ML RAIN
- AS A MINIMUM-PROFESSIONALS  
ADD 25-50%



# PASTURE COMPOSITION

- FOR GRASS
  - +++P
  - ---STOCK
- FOR CLOVER
  - ---P
  - +++STOCK
  - OR ADD POTASH





# POTASH INDICATORS

- GERANIUM
- SAND
- WANDOO
- SHEA OAK
- RED GUMS
- NO CLOVER



## TRACE ELEMENTS

- COPPER,ZINC,MOLY
- ? ONCE IN 10 YEARS (BLUNDERBUSS)
- BEWARE XS MOLY
- ZN-SAND CU-GRAVELS
- WHERE ALL ELSE FAILS



# LIME

- BE VERY CAREFUL
- LEAVE A CONTROL
- CaCl LOOKS WORSE(.5 LOWER)
- SURFACE ACIDITY
- LOCKS UP OTHER ELEMENTS ESP ZN
- HUMUS EFFECT.
- WHERE ARE THE RESULTS?



# BENCHMARK RESULTS

- GROSS MARGIN / DSE (ACTUALS)
  - \$3.00 WOOL \$10-12/DSE
  - 4.00 15-18
  - 5.00 20-24
  - 6.00 25-30
  - 7.00 30-35
  - all AFTER the cost of fertiliser.
  - Where are you?



## NO P - NO PROFIT

- SOME BETTER THAN NONE
- EVERY YEAR BETTER THAN LESS FREQUENT
- RESERVES RUN DOWN RAPIDLY



# SULPHUR

- HIGH ANALYSIS FERTILISERS SEEM TO WORK OK
- THE LINK TO SULPHUR IS NOT WELL PROVEN
- WOOL HAS A COMPONENT OF S AS AMINO ACID
- PROBABLY WORTH ATTENTION



# SELENIUM

- NEEDED NEARLY EVERYWHERE
- CHIP WORKS
- DO NOT FORGET THE CROPPED LAND
- DEPOSEL OR BULLETS WITH HIGH % CROP



# BASICS

- YOU LIKE
  - LOTS OF GRASS
  - LOW STOCKING
  - FAT SHEEP
  - EARLY LAMBING
  - PURCHASED FEED
  - HAY
    - BUT DOES IT PAY?



# BASICS

- FOR PROFIT-KPI ARE
  - CORRECT SYSTEM
  - STOCKING RATE
  - LAMBING %
  - GOOD PASTURES
  - FERTILISER APPLICATION



# WOOL AND MEAT PRODUCTION

- The conversion of grass to product by the sheep
- grass/clover is the cheapest feed
- other feeds are too expensive
- pasture needs fertilisers



# KOJONUP RESULTS

• P LEVEL	LOW	MED	HIGH
• 94/5	24	31	37
• 95/6	22	33	45
• 96/7	17	18	24
• 97/8	37	51	63



# KOJONUP RESULTS

• P LEVEL	LOW	MED	HIGH
• dse/HA			
• 94/5	5.4	7.1	8.3
• 95/6	4.5	6.9	9.4
• 96/7	3.6	5.9	9.2
• 97/8	6.4	8.8	10.8



## KOJANUP RESULTS

- Wheat yield(no fert after pasture)
- P level                      LOW                      MED                      HIGH
- REP 1                              1.42                              0.97                              1.92
- REP 2                              1.30                              1.53                              2.42



# Bob Hall Consultant

- Phone:Phone: (08) 9736 1055
- Fax: (08) 9736 1245
- Mobile Phone: (0428) 361 055
- E-mail: [bob.jrlhall@westnet.com.au](mailto:bob.jrlhall@westnet.com.au)