

How does this fit into a management scheme?

- **Corona Range Livestock Research Center has a written management plan**
- **One objective has been to strategically supplement**



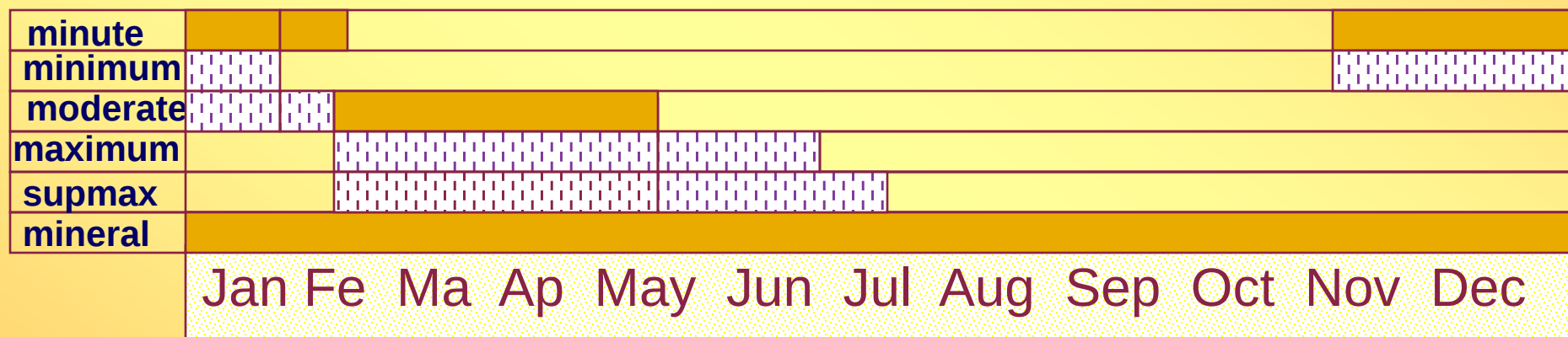
Strategic Supplementation for Senior Cows (ages 4+)

Solid bars

Every year

Dashed bars

Optional



minute=\$4.00, moderate=\$16.5 and mineral=\$8.10
total = \$28.60

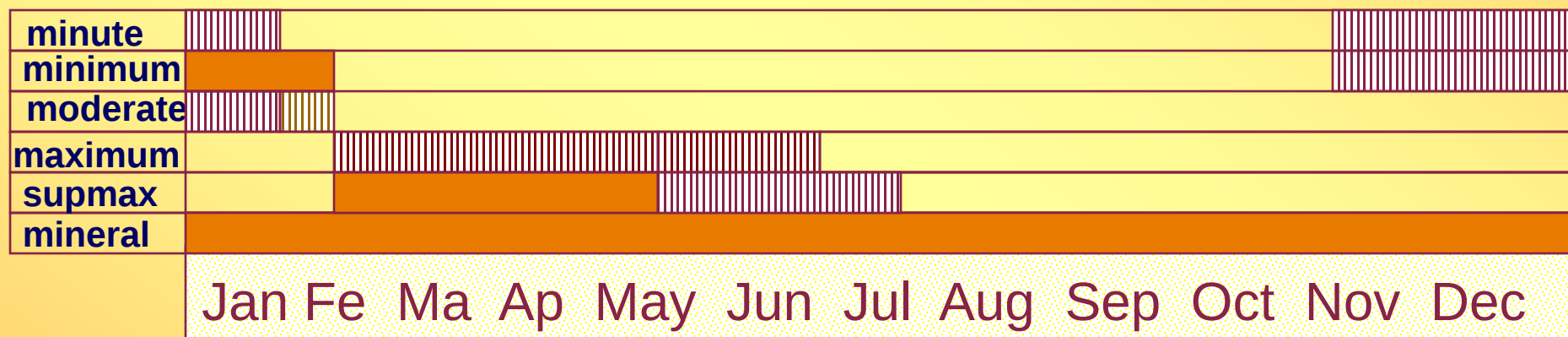
Strategic Supplementation for Young Cows (ages 2 to 3)

Solid bars

Every year

Dashed bars

Optional



minimum=\$3.30, supmax=\$26.25 and mineral=\$8.10
total = \$37.65

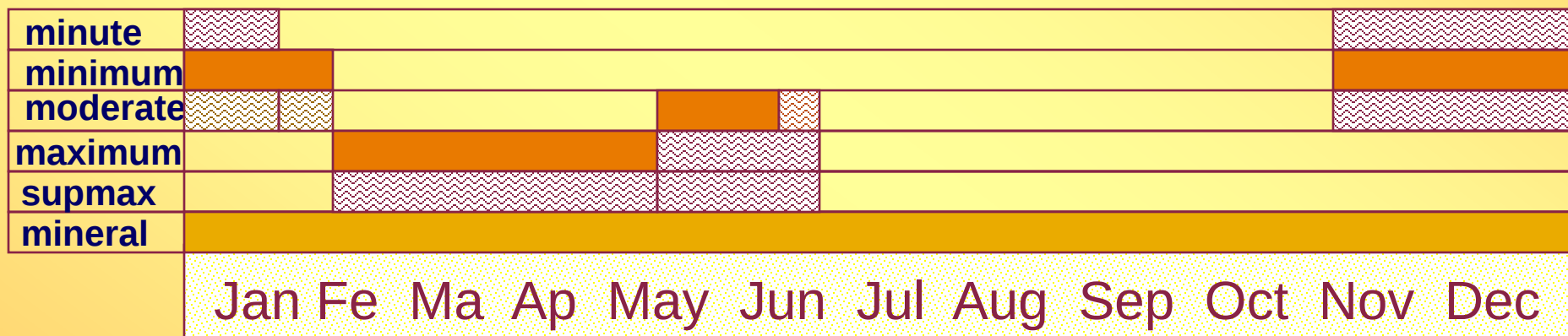
Strategic Supplementation for Yearling heifers (6 to 18 months)

Solid bars

Every year

Dashed bars

Optional



minimum=\$4.95, max=\$29.40 and mineral=\$8.10
total = \$42.45

SUMMARY

Strategic Supplementation

- **Maintain forage and animal balance**
- **Ground nutrition management with effective mineral program**
- **Advantageous through optimization**
- **Know unit costs and net revenue**

SUMMARY

Cost Effective Supplementation

- **New Mexico Strategic Low Cost Supplementation Program**
 - 5 protein supplements
 - Range from 4oz to 2 lb/d
 - Flexibility
 - Fed minimum
 - Goal \$50 purchased feed





Effects of bypass protein on utilization of weight loss diets

	No supp	0.11kg/d bypass
Initial wt kg	45	43
Final wt kg	45	49
ADG (kg/d)	0	0.07
Intake, kg		
wheat straw	0.86	0.77
fish meal	0	0.11
Change in carcass composition		
protein (kg)	-0.14	+0.86
fat (kg)	-1.40	- 0.91

Metabolizable glucose & protein limit feed efficiency

• Fish meal (% diet)	0	6	0	6
• Glucose infused (g/d)	0	0	80	80

Intake (oat chaff) (kg/d)	0.91	1.1	0.77	1.09
ADG (kg/d)	0.1	0.2	0.13	0.26
Feed conversion (kg/kg)	8.9	5.7	5.9	4.1

Glucose $\frac{1}{2}$ life is reduced with Super Max

Energy metabolism is improved
(2001 & 2002)

