## 2006-2007 Potential Maize Contract -- MCHINJI Payout approximation worksheet Rainfall is measured at Mchinji weather station. Rainfall amounts may differ from those received at individual fields. MAXIMUM PAYOUT 3228.17 If there is less than or equal to 25mm of rain in each and every one Kwacha to receive of the following 10-day periods, the payout is the full amount: 11th-Upper trigger Lower trigger 20th November, 21st-30th November; 1st-10th December; 11th-Phase 1 100 mm 30 mm 20th December; 21st-31st December, 1st-10th January, 11th-20th 1000 1500 2000 2500 Phase 2 110 mm 30 mm January 140 mm 20 mm Phase 3 Payout for Phase 0 To use this sheet: 500 1000 1500 2000 2500 3000 Historical Payouts of Drought Insurance Contracts, Mchinji ..... ■ Phase 1 ☐ Phase 3 ■ Phase 2 5500 5900 4500 4000 3500 2000 2500 2000 1500 1000 500 0 Q 2000 1. For Phase 1. 2. Using a piece of 3. Mark that distance 4. Repeat for the other phases, read the amount paper, measure the against the small but in Step 3, start at the previous of rainfall distance from the left graph at the top, mark. received and find starting at the left side of the graph to the where it hits the line. side. line. 1962 1968 1970 1972 1976 98 98 98 98 98 98 98 5. Note that rainfall is measured in 10 day periods, and capped at 60mm per period. Harvest Year Most years, farmers will not receive a payout. Farmers will not receive more than the maximum payout. Germination phase: Insurance payout by rainfall Maturation phase: Insurance payout by rainfall Tasseling phase: Insurance payout by rainfall amount (Dekads 1-5) amount (Dekads 9-12) amount (Dekads 6-8) 300 290 280 270 250 240 230 220 210 200 190 150 140 130 120 110 290 280 270 260 250 240 230 220 210 200 190 180 Mvula Rainfall (mm) Mvula Rainfall (mm) 170 Rainfall 160 150 140 130 Mvula 120 110 100 90 90 80 70 60 50 40 30 20 80

500

1000

1500

2000

Kwacha

2500

3000

350

500

2000

Kwacha

2500

3000

3500

0

500

1000

1500

2000

Kwacha

2500

3000