



BRUSH CONTROL WITH MAT 28
A NEW HERBICIDE FROM DUPONT

ED FREDRICKSON
THUNDER ROAD RESOURCES

MAT 28 SUMMARY

- PYRIMIDINE HERBICIDE
- BOTH SOIL AND FOLIAR ACTIVE
- HIGH LD-50
- LOW USE RATES
- LIQUID AND DRY FLOWABLE FORMULATIONS
- SIMILAR TO MILESTONE WITH MORE ACTIVITY ON BRUSH
- NEED TO BE CAREFULL AROUND TREES

ESTABLISHED TRIALS ON A WIDE VARIETY OF BRUSH SPECIES

- BITTER BRUSH
- SIERRA PLUM
- GOLDEN CHINQUAPIN
- SNOWBERRY
- BLUE BLOSSUM
- COYOTE BRUSH
- HAIRY MANZANITA
- GREENLEAF MANZANITA
- WHITELEAF MANZANITA
- WHITETHORN
- TANOAK
- OREGON BOXWOOD
- HUCKLEBERRY OAK
- CHAMISE
- BUCKBRUSH
- BLACK OAK
- LIVE OAK
- BIG LEAF MAPLE
- BITTER CHERRY
- CONIFERS

REPLICATED TRIALS AND DEMONSTRATION PLOTS

- CALIFORNIA REPLICATED TRIALS:
 - PASKENTA, ARCATATA, DANA, BURNEY,
GEORGETOWN, WHITMORE, DUNSMUIR,
SHINGLETOWN, REDDING, PONDOSA,
SACRAMENTO, ADIN, ROUND MOUNTAIN,
BIG BEND
- CALIFORNIA DEMONSTRATION PLOTS:
 - AUBURN, FOREST HILL, DANA, BURNEY, MT
SHASTA, MIDDLETOWN, COLFAX, DRUM
FOREBAY

HIGHLY VERSATILE HERBICIDE

- BROADCAST
- DIRECTED
- CUT STUMP
- BASAL
- HACK AND SQUIRT
- THINLINE

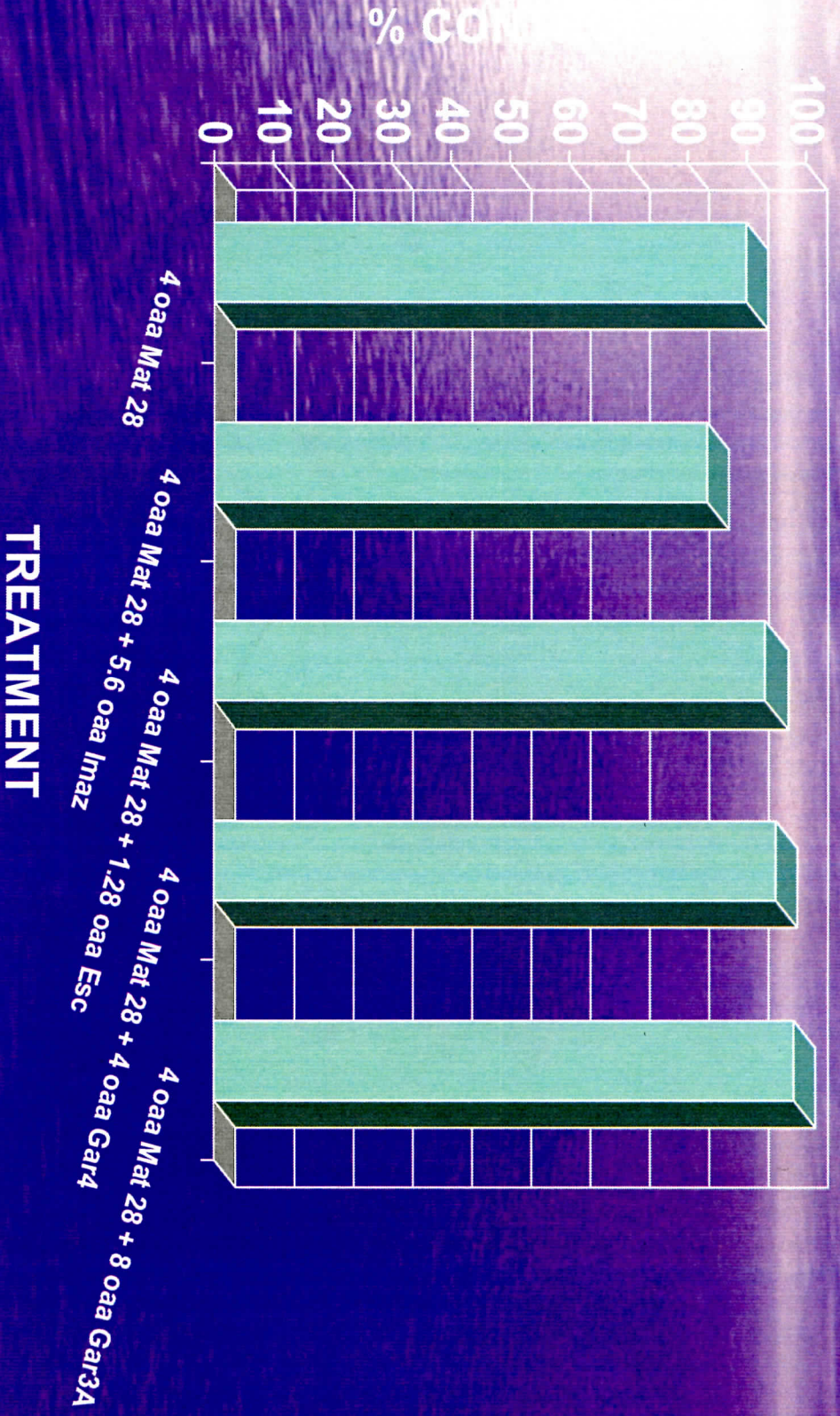
POSSIBLE USE IN FORESTRY

- PRE-HARVEST SITE PREPARATION
 - WILL NOT BE SUITABLE FOR:
 - PRE-PLANT SITE PREPARATION
 - RELEASE
- NOXIOUS WEED CONTROL
- ROADSIDES

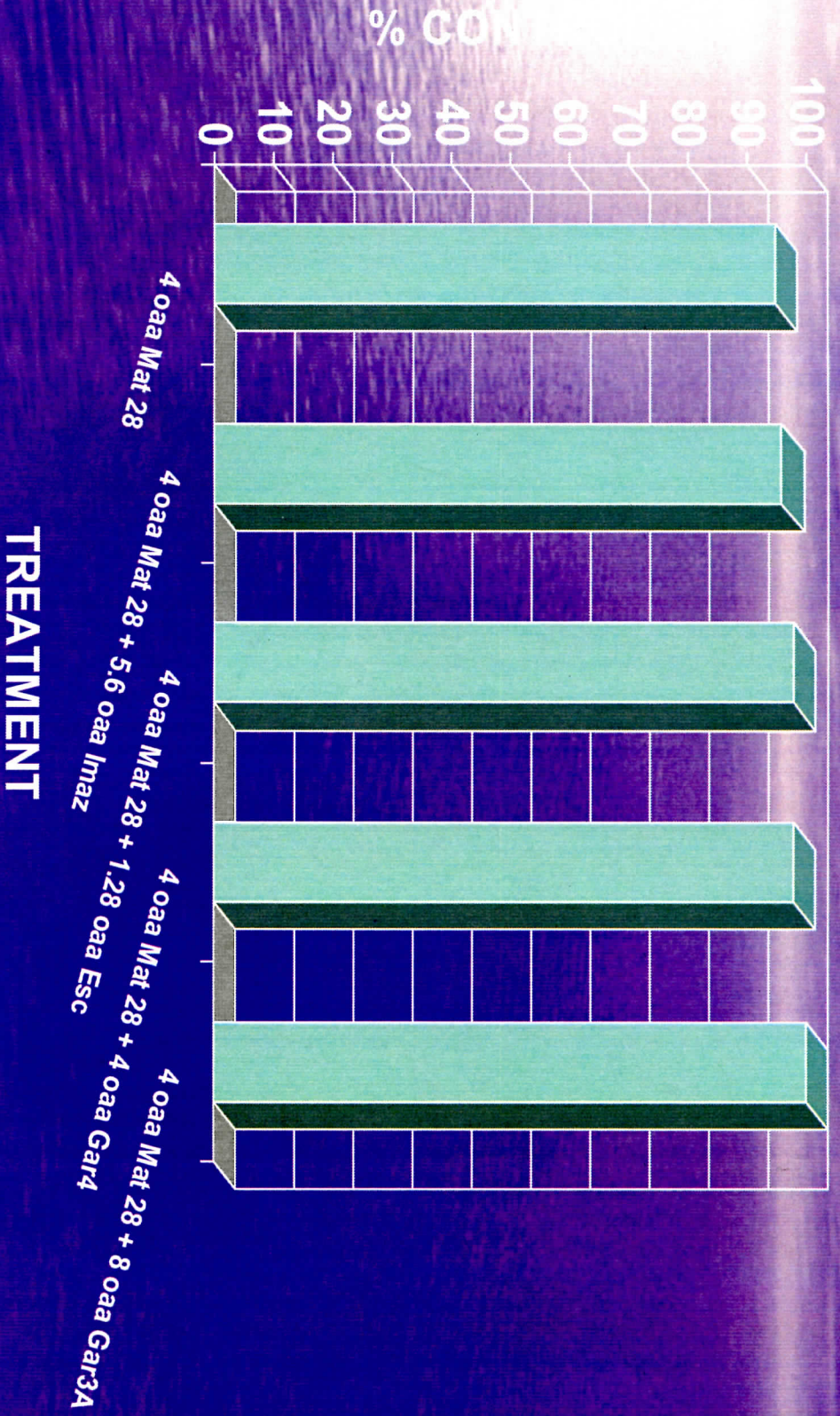
BROADCAST TRIAL RESULTS

- ALL BROADCAST TREATMENTS INCLUDE
HASTEN AT 5% v/v

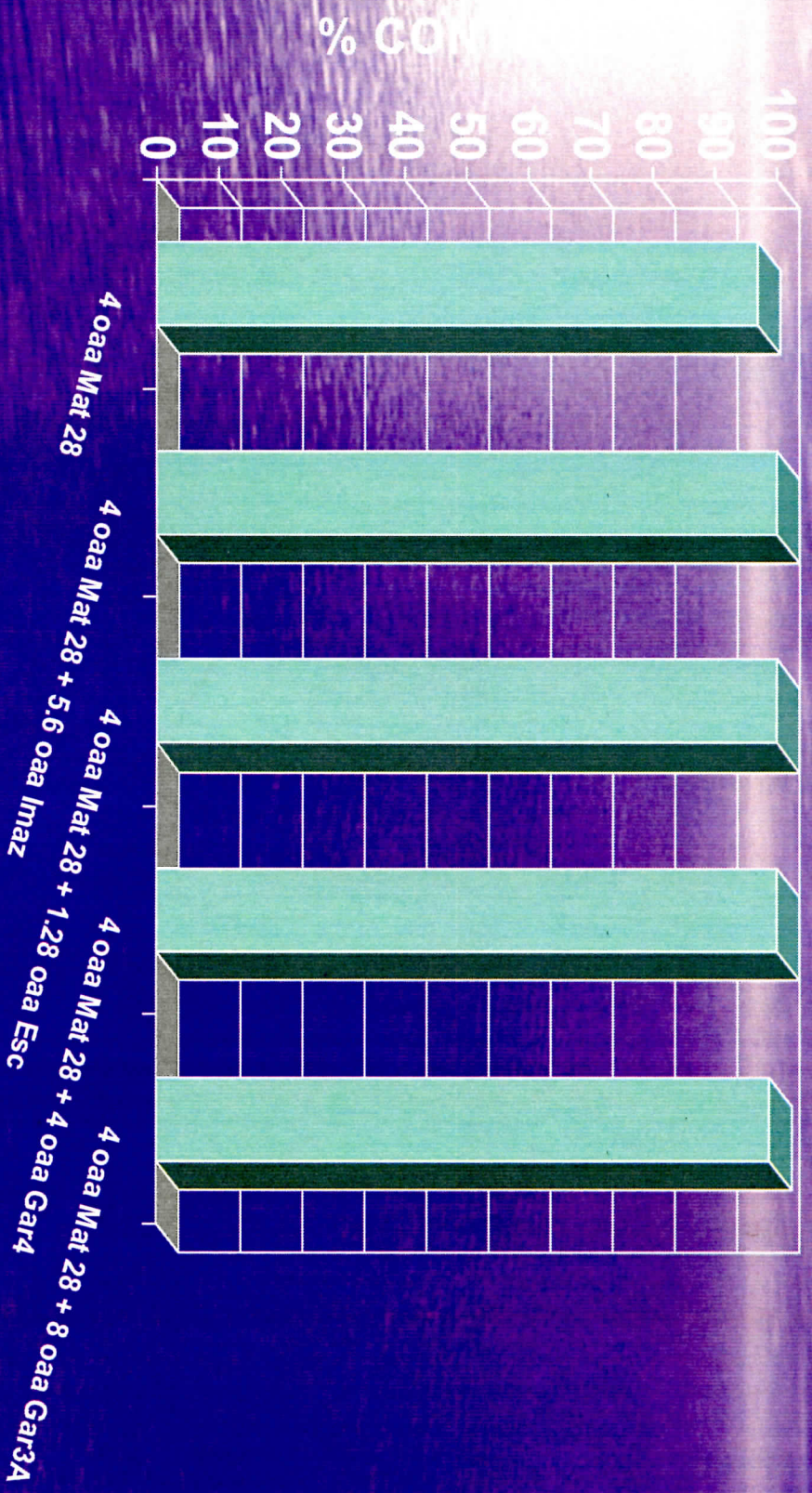
BEAR CLOVER % CONTROL 3 MAT WITH MAT 28 ALONE AND IN COMBINATION - BROADCAST



DEERBRUSH % CONTROL 3 MAT WITH MAT 28 ALONE AND IN COMBINATION - BROADCAST



POISON OAK % CONTROL 3 MAT WITH MAT 28 ALONE AND IN COMBINATION - BROADCAST



TREATMENT

WHITETHORN % CONTROL 3 MAT WITH MAT 28 ALONE AND IN COMBINATION - BROADCAST



TREATMENT

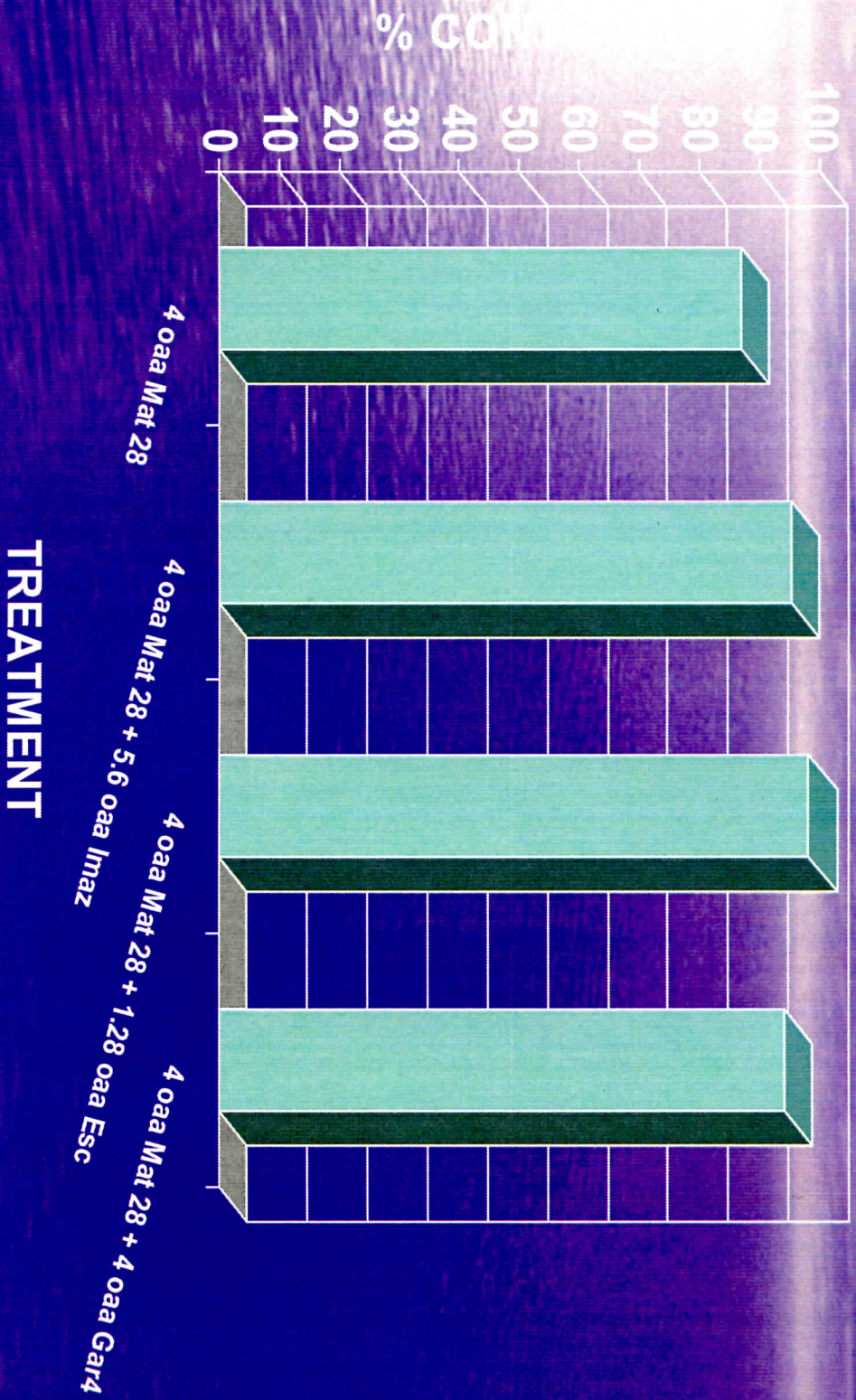
POISON OAK - 4 oaa MAT 28 -- 3 MAT



WHITETHORN - 2 oaa MAT 28 + 2 oaa GAR 3A
3 MAT

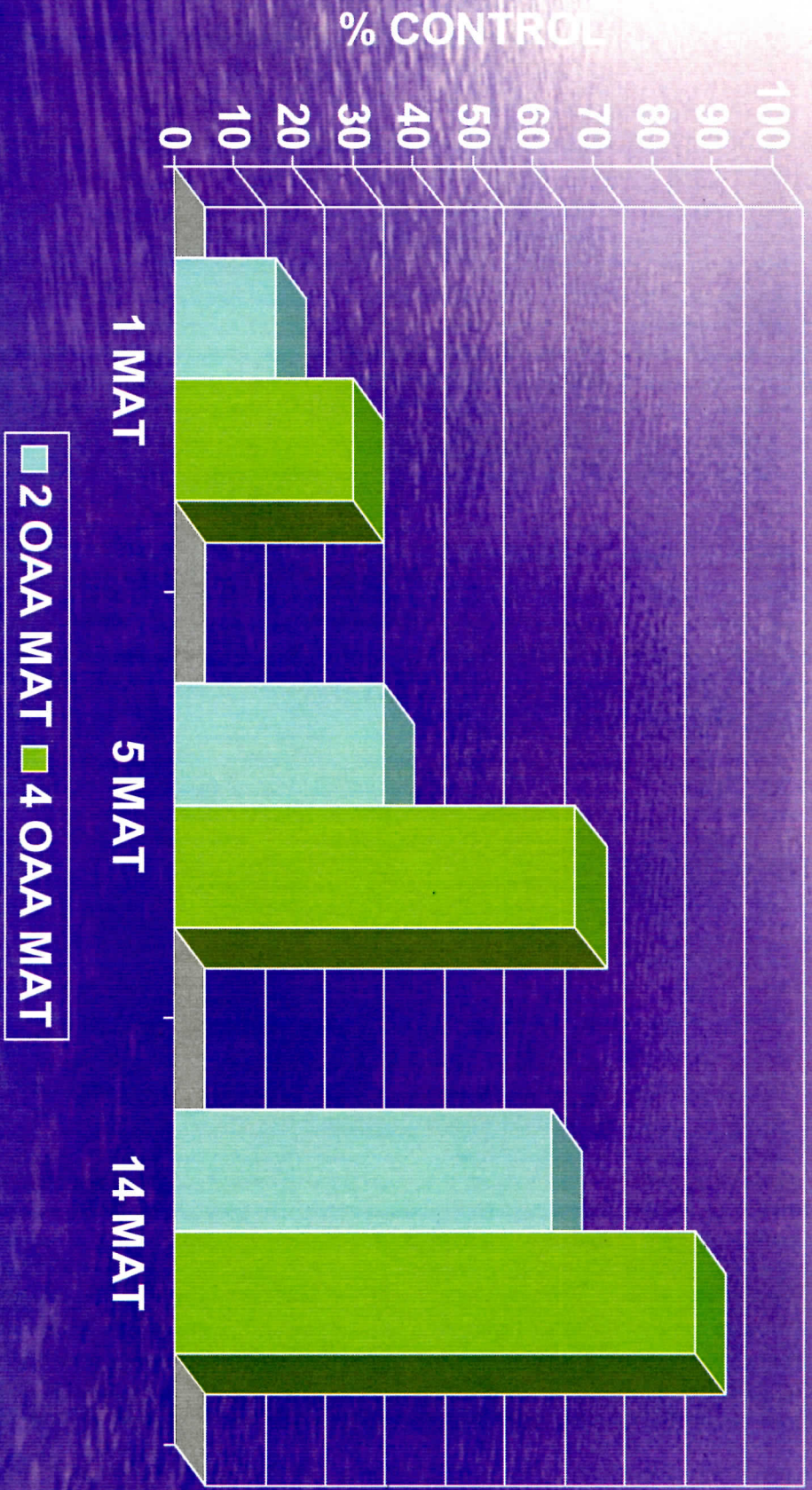


CHAMISE % CONTROL 14 MAT WITH MAT 28 ALONE AND IN COMBINATION - BROADCAST

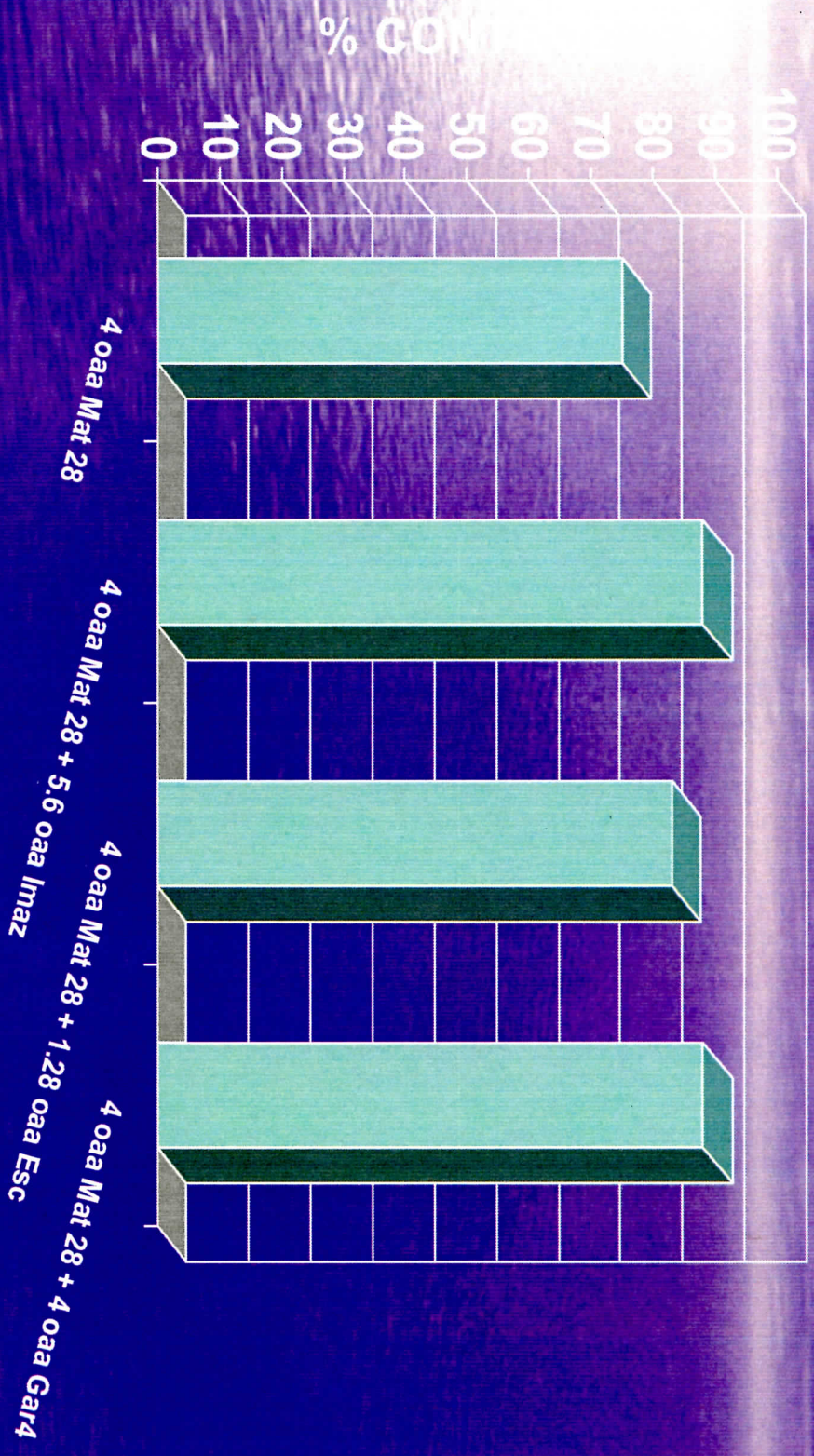


SLOW ACTING MOLECULE

CHAMISE PERCENT CONTROL 1, 5 AND 14 MAT



BUCKBRUSH % CONTROL 14 MAT WITH MAT 28 ALONE AND IN COMBINATION - BROADCAST

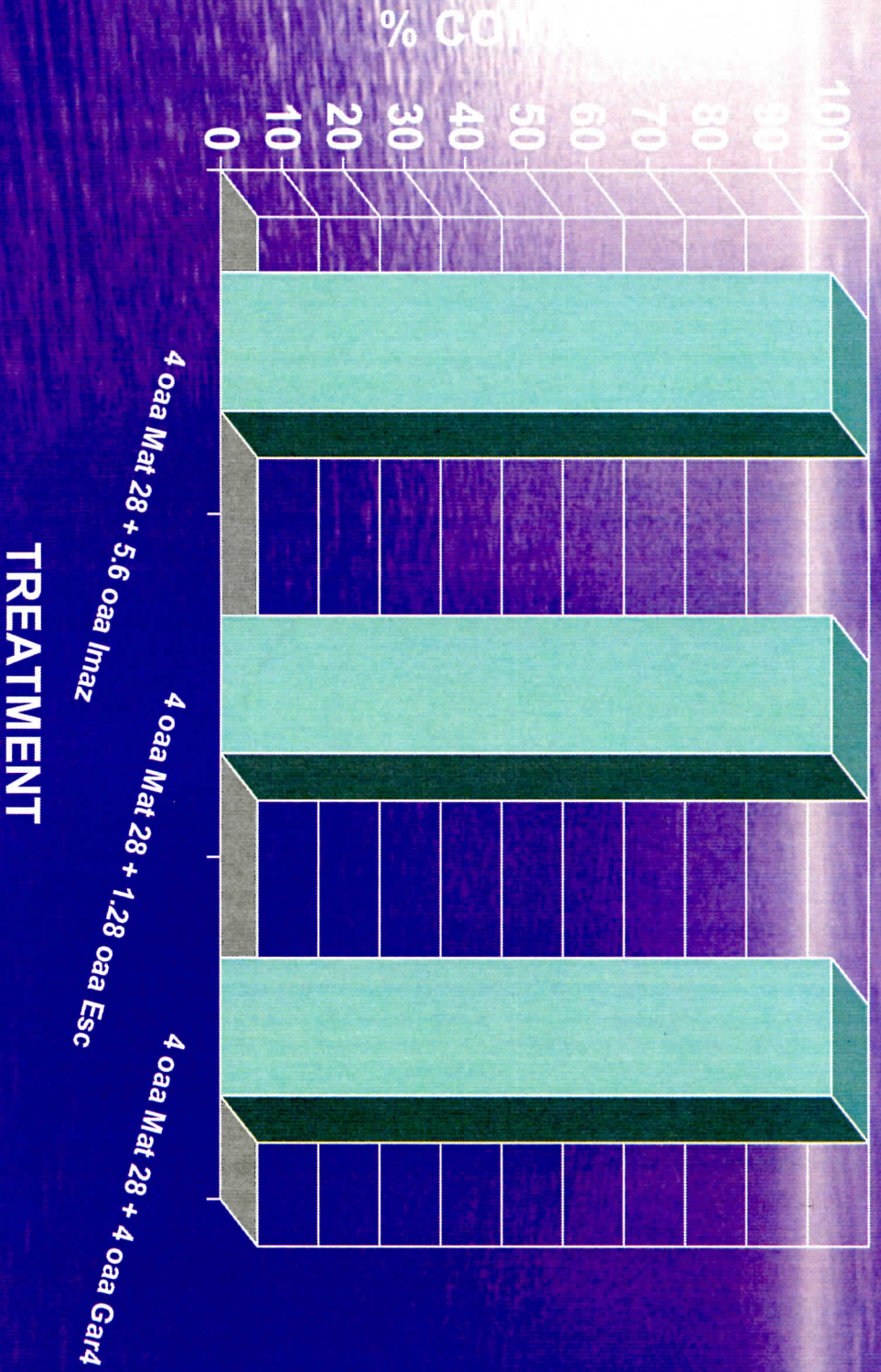


TREATMENT

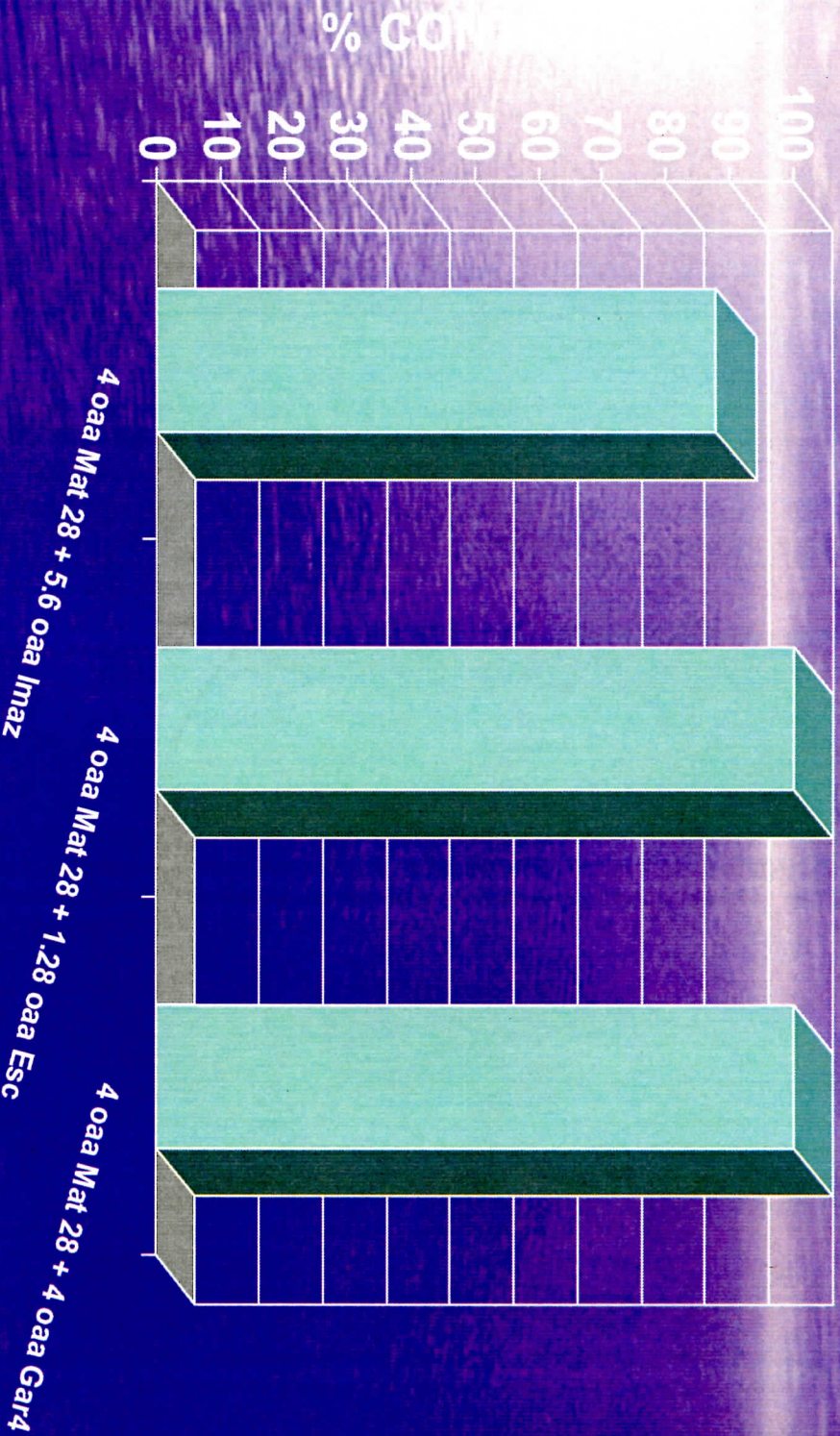
CHAMISE - 4 oaa MAT 28 - 14 MAT



CHINQUAPIN % CONTROL 13 MAT WITH MAT 28 IN COMBINATION - BROADCAST



SNOWBRUSH % CONTROL 13 MAT WITH MAT 28 IN COMBINATION - BROADCAST

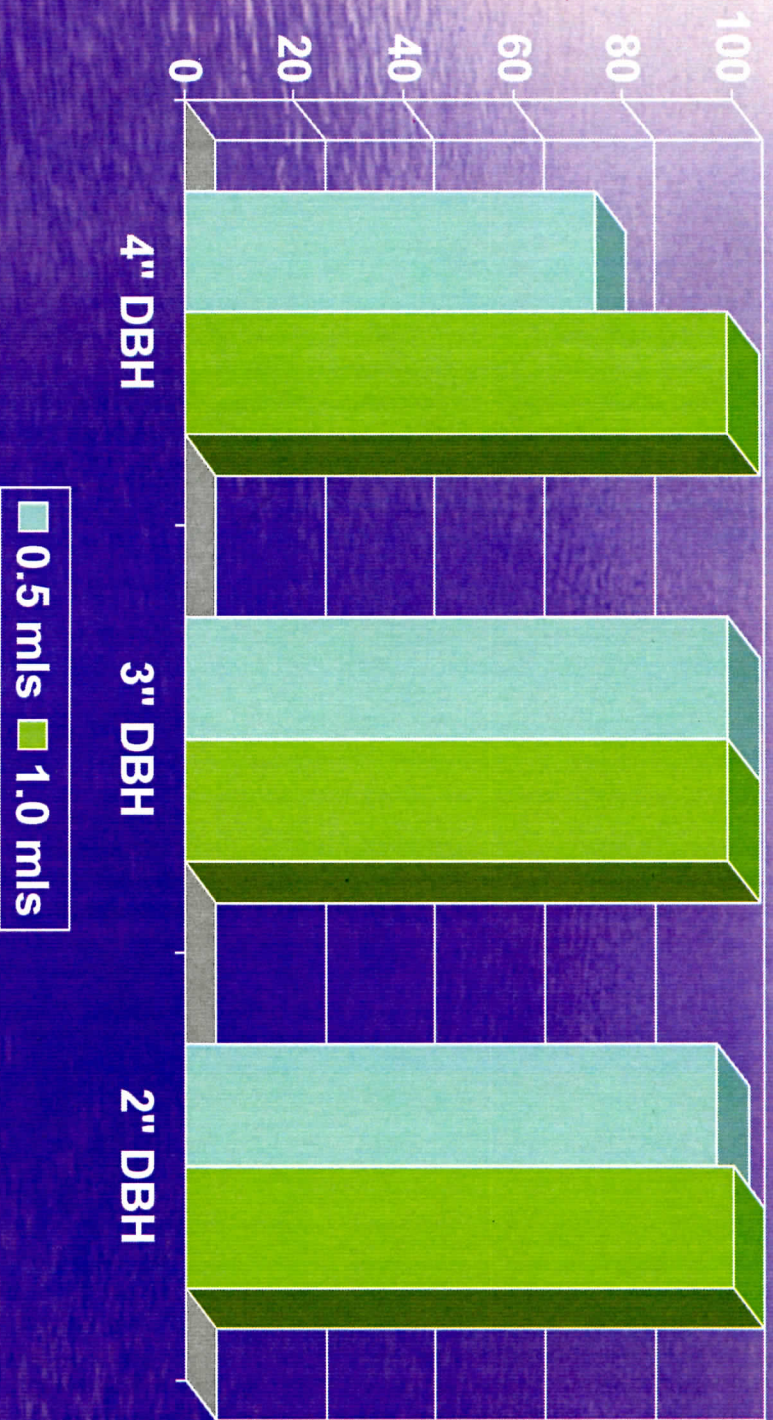


TREATMENT

HACK AND SQUIRT



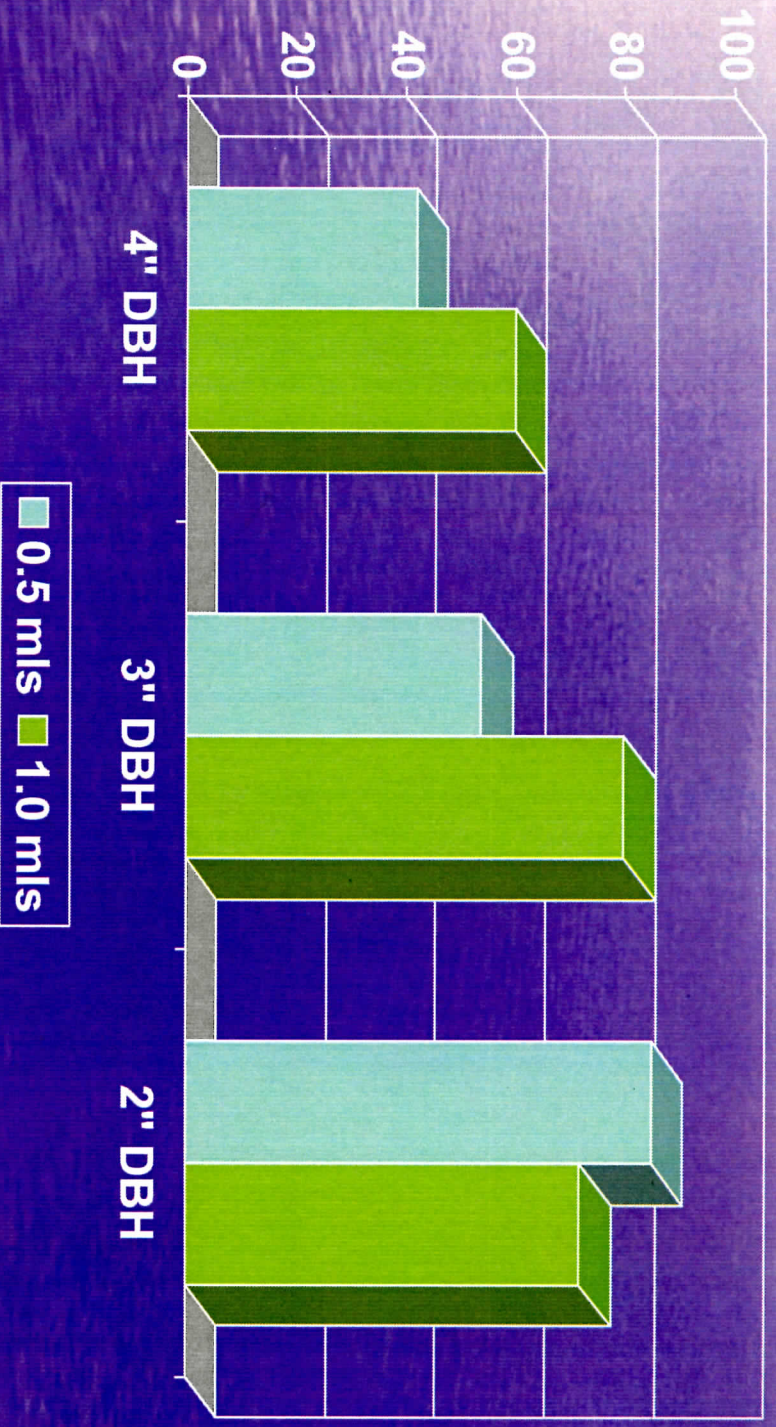
BIG LEAF MAPLE PERCENT CONTROL ONE YEAR AFTER TREATMENT WITH MAT 28 HACK AND SQUIRT TREATMENTS



MAT 28 HACK AND SQUIRT - BLM



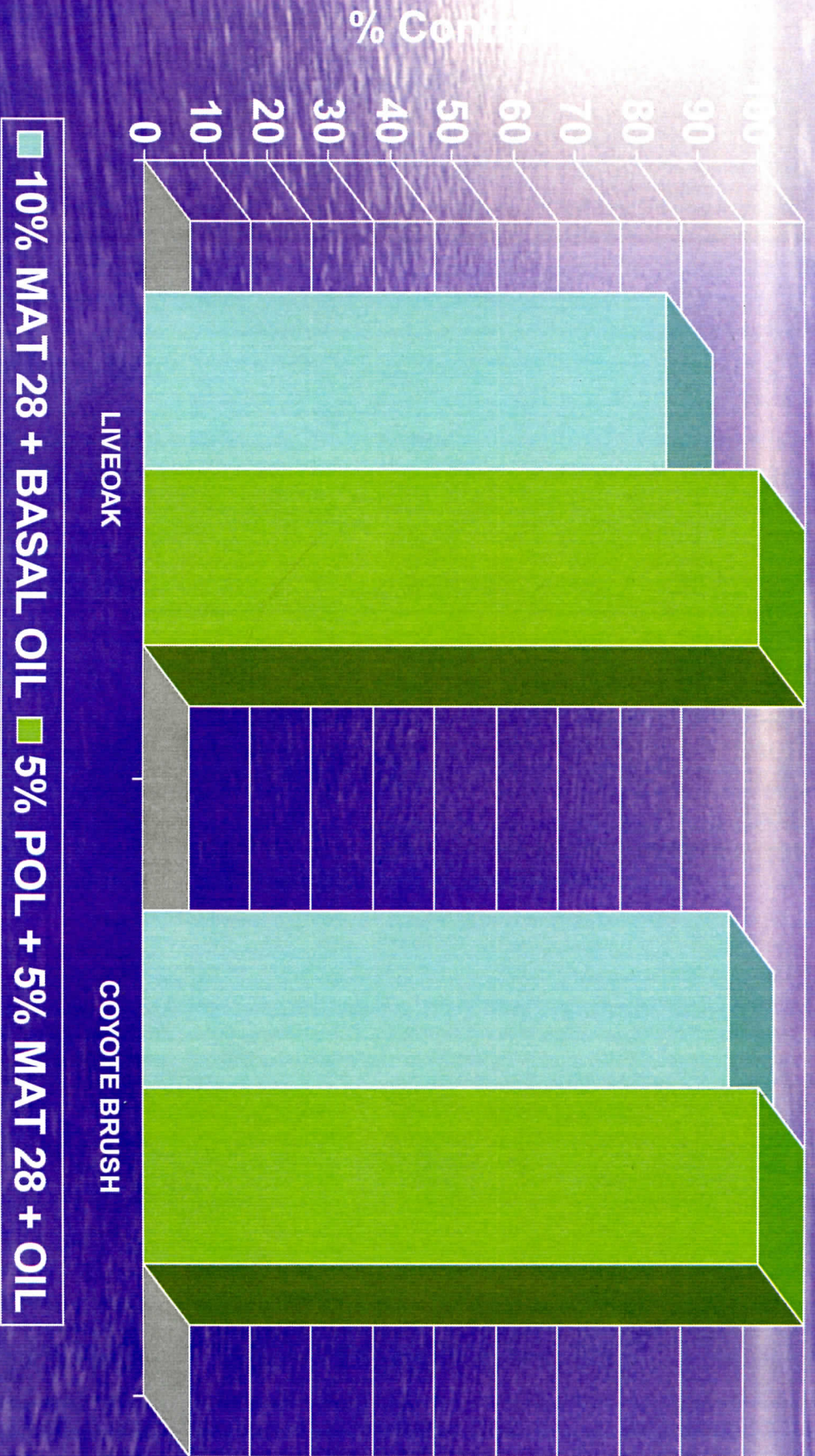
LIVEOAK PERCENT CONTROL 1 YEAR AFTER TREATMENT WITH MAT 28 HACK AND SQUIRT TREATMENTS



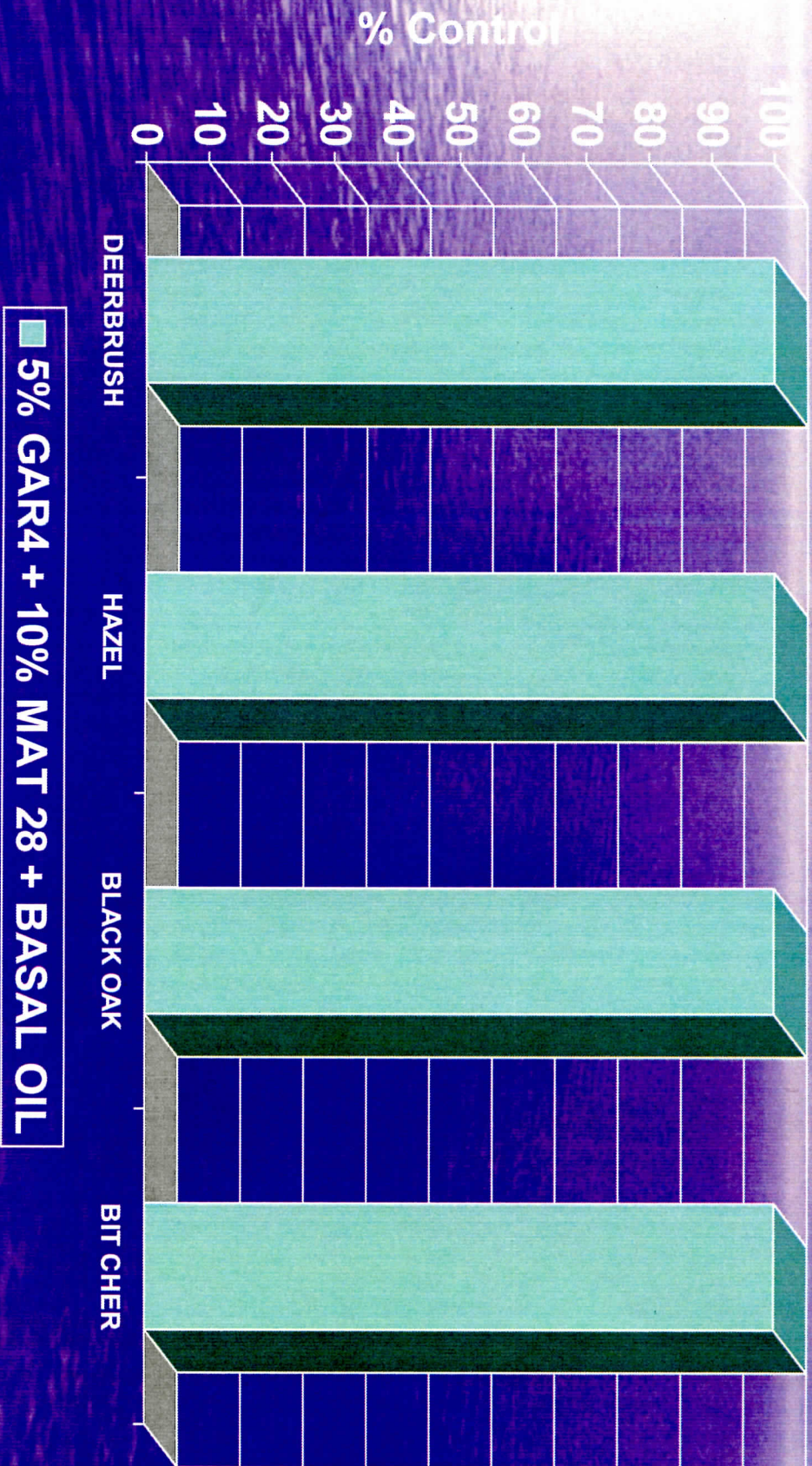


BASAL TREATMENTS

HALSEY BASAL SPRAY BRUSH DEMO PERCENT CONTROL 9 MAT



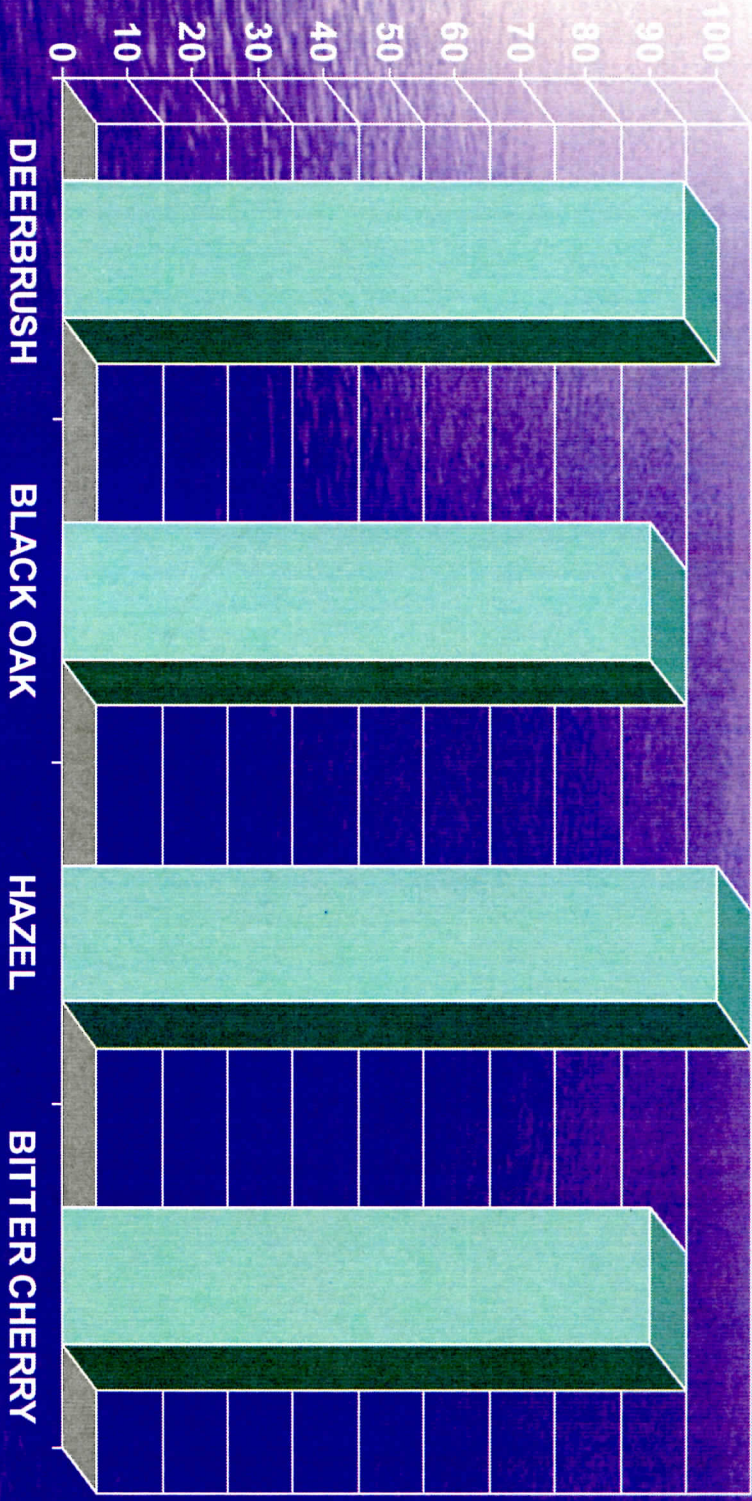
MT SHASTA BASAL SPRAY BRUSH DEMO PERCENT CONTROL 9 MAT



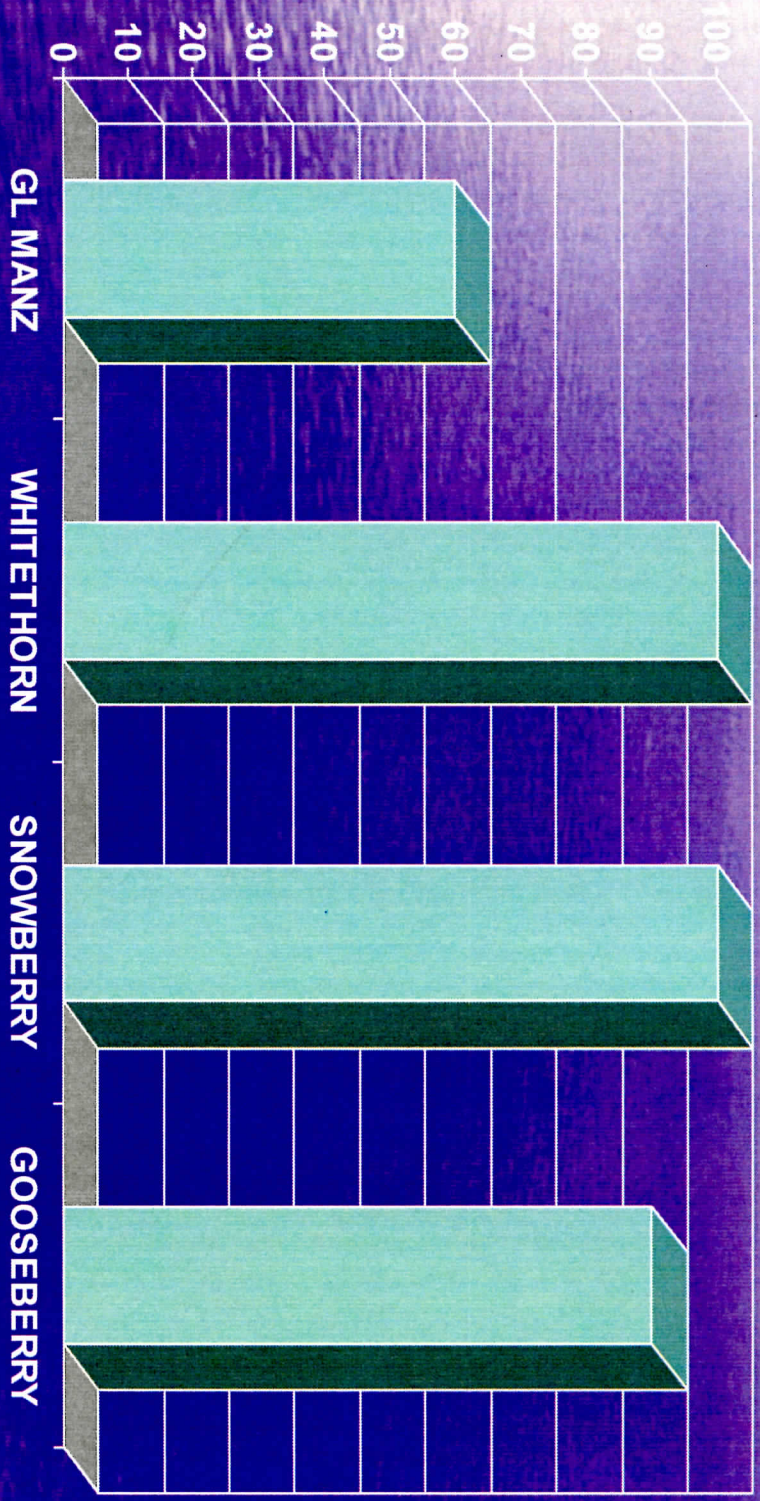


DIRECTED SPRAY

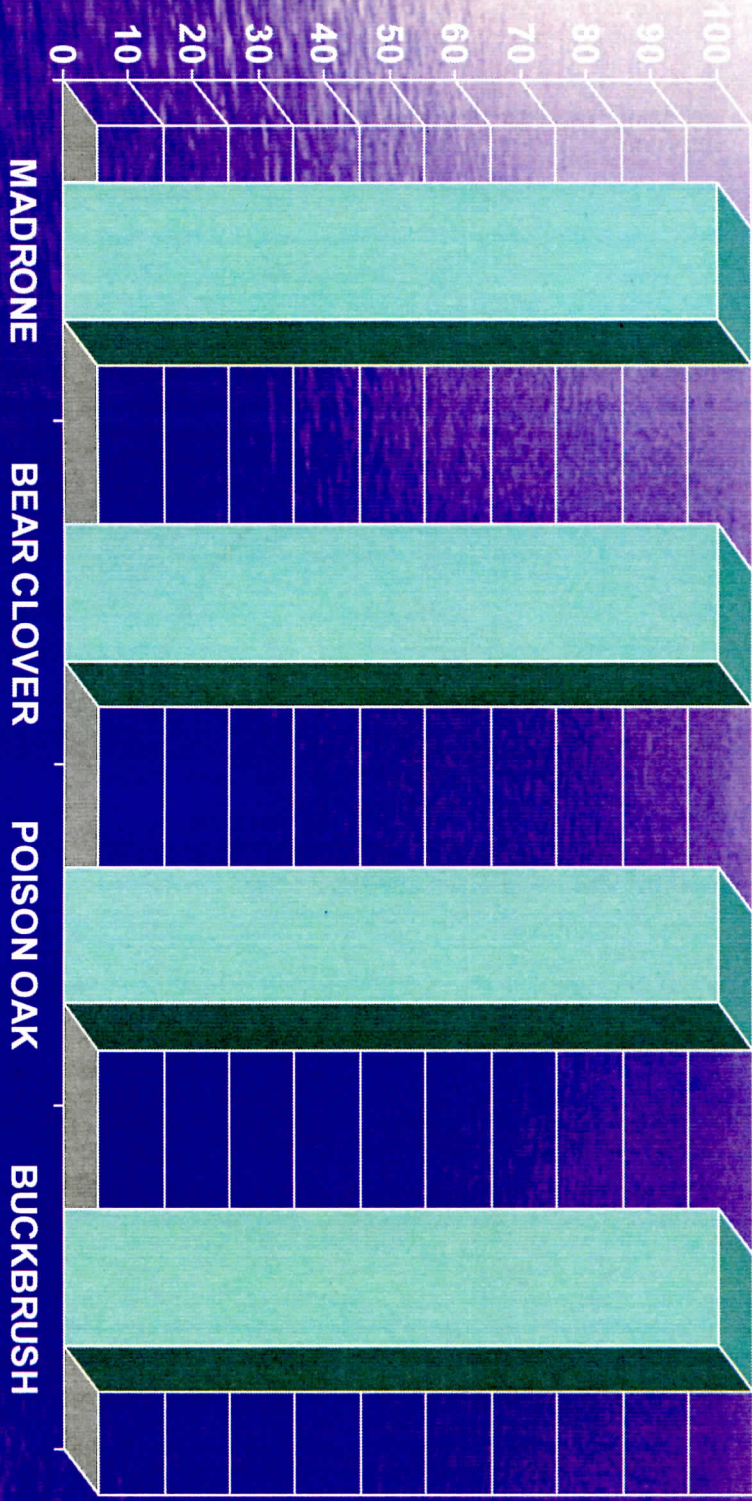
2.4 g/l MAT 28 PLUS 5% HASTEN DIRECTED
SPRAY ONE YEAR AFTER TREATMENT



2.4 g/l MAT 28 PLUS 5% HASTEN DIRECTED SPRAY ONE YEAR AFTER TREATMENT



2.4 g/l MAT 28 PLUS 5% HASTEN DIRECTED SPRAY ONE YEAR AFTER TREATMENT



CONCLUSIONS

- HIGHLY ACTIVE MOLECULE
- EXCELLENT ACTIVITY ON DIFFICULT TO CONTROL SPECIES (LIVE OAK, WHITETHORN)
- CAN BE USED IN A VARIETY OF WAYS
- GOOD ACTIVITY ON BRUSH AND HERBACEOUS VEGETATION
- SELECTIVE ON GRASS
- NEED TO USE CAUTION AROUND TREES
- PRE-HARVEST MOST LIKELY ONLY USE IN FORESTRY
- NOT REGISTERED YET