

het toppras van eigen bodem



VIGORAVE

 **vanderhave**

AFD. SUIKERBIETENZAAD
4420 AA KAPELLE - HOLLAND

Tabel voor de globale berekening van de benodigde hoeveelheid suikerbietenzaad per ha.

rijen-afstand in cm	afstand in de rij in cm	aantal korrels per ha
44	8	289.000
	10	222.000
	12	190.000
	15	152.000
	18	126.000
	20	111.000
50	8	250.000
	10	200.000
	12	167.000
	14	143.000
	16	125.000
	18	111.500

één Standaard Eenheid = 100.000 korrels

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12 ^{6/78} Quality determinants leaf

Protein content, analysis of bread, digestibility of
grasses, (in-vitro). No of cuts

30000 Sds/3 months for sweet, amino
acid nitrogen by 2 girls

cytoplasmic inheritance in wheat - 4 sources of
inheritance

oscula, Timopheeva, caudata, 4 more
*some

1. wheat Restorata is a former

Hybrid yield 6000 kg/ha, still to
analyze why we have less yield ~~than~~

varieties wheat is 15% more yield.
the economic level of English wheat
is 10 tons/ha.

Regulation of field crops & Breeder's Rights etc

- 1) identification of variety and stability of their performance in farmers fields.
- 2) Handbook of how a variety has been described - A list of ^{traits} vices & diseases is given - ~~not~~ ^{at} ^{the} ^{end} ^{of} ^{each} ^{entry} and to those where a new variety stands.

2 seasons, 2 locations - tests of purity & description Minimum 1000 plants

Reproduction plots

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- Three important steps to Vigorave in
1) Nutrient extracts ^{in surface} which are ^{from early} season unfavourable
- 2) Utilization of early stored substances for cell growth of moisture & nitrate in lower layers, with winter moisture in between
- 3) Root activity - for Capelin and couple of a couple of days - very noticeable
- 4) Disease ^{and other} resistance - cytoplasmic inheritance cytoplasm bands. ^{hereditary} extract, to
- 5) Protein accumulation

ADWt cumm

Give BJ 104 &
PUBLIC
as well as other

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Foucault in Amicalle Plant Breed

Dr. Lamberts (Ministry)

Not evolvig variety. But five to
breeders. Germ pleon naitree

Donnerstag fu Gevree class
asporophytie

become gas in Pencklin class
of sandtphyte

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8211
Aanwende invers: M ras

7 1/2 beent 1/2

Over yca status is eschel

June 14, '78 Group meeting

Chapter II

Factors for total biomass production and
the partitioning of biomass.

Detection of differences & selection for
size attributes.

Leaf use efficiency.

Page 3 - 25 photosynthesis ^{D. J. de}
absent in C₄ plants?

Page 6 - Leaf angle effect on
interplant curvature and making
climate for disease incidence
Leaf angle effect on single plant
efficiency and dense stands

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Protein decay - oil crops for
tropical and temperate zones
Chaplin on Pavehult low yields
by BRT

Page 11 :-

a) clarity of success.
light is it total losses or grain?

b) growth period of analysis
Page 12 food progress is
temperate crops
Good

Effect of temperature on
soybean grain development.
1000-grain wt

Page 12 :- 1000-grain wt
size grain fields
and group seeds or single
grain
lay press

~~314 of 315 of 316 of 317 of 318 of 319 of 320 of 321 of 322 of 323 of 324 of 325 of 326 of 327 of 328 of 329 of 330 of 331 of 332 of 333 of 334 of 335 of 336 of 337 of 338 of 339 of 340 of 341 of 342 of 343 of 344 of 345 of 346 of 347 of 348 of 349 of 350 of 351 of 352 of 353 of 354 of 355 of 356 of 357 of 358 of 359 of 360 of 361 of 362 of 363 of 364 of 365 of 366 of 367 of 368 of 369 of 370 of 371 of 372 of 373 of 374 of 375 of 376 of 377 of 378 of 379 of 380 of 381 of 382 of 383 of 384 of 385 of 386 of 387 of 388 of 389 of 390 of 391 of 392 of 393 of 394 of 395 of 396 of 397 of 398 of 399 of 400 of 401 of 402 of 403 of 404 of 405 of 406 of 407 of 408 of 409 of 410 of 411 of 412 of 413 of 414 of 415 of 416 of 417 of 418 of 419 of 420 of 421 of 422 of 423 of 424 of 425 of 426 of 427 of 428 of 429 of 430 of 431 of 432 of 433 of 434 of 435 of 436 of 437 of 438 of 439 of 440 of 441 of 442 of 443 of 444 of 445 of 446 of 447 of 448 of 449 of 450 of 451 of 452 of 453 of 454 of 455 of 456 of 457 of 458 of 459 of 460 of 461 of 462 of 463 of 464 of 465 of 466 of 467 of 468 of 469 of 470 of 471 of 472 of 473 of 474 of 475 of 476 of 477 of 478 of 479 of 480 of 481 of 482 of 483 of 484 of 485 of 486 of 487 of 488 of 489 of 490 of 491 of 492 of 493 of 494 of 495 of 496 of 497 of 498 of 499 of 500 of 501 of 502 of 503 of 504 of 505 of 506 of 507 of 508 of 509 of 510 of 511 of 512 of 513 of 514 of 515 of 516 of 517 of 518 of 519 of 520 of 521 of 522 of 523 of 524 of 525 of 526 of 527 of 528 of 529 of 530 of 531 of 532 of 533 of 534 of 535 of 536 of 537 of 538 of 539 of 540 of 541 of 542 of 543 of 544 of 545 of 546 of 547 of 548 of 549 of 550 of 551 of 552 of 553 of 554 of 555 of 556 of 557 of 558 of 559 of 560 of 561 of 562 of 563 of 564 of 565 of 566 of 567 of 568 of 569 of 570 of 571 of 572 of 573 of 574 of 575 of 576 of 577 of 578 of 579 of 580 of 581 of 582 of 583 of 584 of 585 of 586 of 587 of 588 of 589 of 590 of 591 of 592 of 593 of 594 of 595 of 596 of 597 of 598 of 599 of 600 of 601 of 602 of 603 of 604 of 605 of 606 of 607 of 608 of 609 of 610 of 611 of 612 of 613 of 614 of 615 of 616 of 617 of 618 of 619 of 620 of 621 of 622 of 623 of 624 of 625 of 626 of 627 of 628 of 629 of 630 of 631 of 632 of 633 of 634 of 635 of 636 of 637 of 638 of 639 of 640 of 641 of 642 of 643 of 644 of 645 of 646 of 647 of 648 of 649 of 650 of 651 of 652 of 653 of 654 of 655 of 656 of 657 of 658 of 659 of 660 of 661 of 662 of 663 of 664 of 665 of 666 of 667 of 668 of 669 of 670 of 671 of 672 of 673 of 674 of 675 of 676 of 677 of 678 of 679 of 680 of 681 of 682 of 683 of 684 of 685 of 686 of 687 of 688 of 689 of 690 of 691 of 692 of 693 of 694 of 695 of 696 of 697 of 698 of 699 of 700 of 701 of 702 of 703 of 704 of 705 of 706 of 707 of 708 of 709 of 710 of 711 of 712 of 713 of 714 of 715 of 716 of 717 of 718 of 719 of 720 of 721 of 722 of 723 of 724 of 725 of 726 of 727 of 728 of 729 of 730 of 731 of 732 of 733 of 734 of 735 of 736 of 737 of 738 of 739 of 740 of 741 of 742 of 743 of 744 of 745 of 746 of 747 of 748 of 749 of 750 of 751 of 752 of 753 of 754 of 755 of 756 of 757 of 758 of 759 of 760 of 761 of 762 of 763 of 764 of 765 of 766 of 767 of 768 of 769 of 770 of 771 of 772 of 773 of 774 of 775 of 776 of 777 of 778 of 779 of 780 of 781 of 782 of 783 of 784 of 785 of 786 of 787 of 788 of 789 of 790 of 791 of 792 of 793 of 794 of 795 of 796 of 797 of 798 of 799 of 800 of 801 of 802 of 803 of 804 of 805 of 806 of 807 of 808 of 809 of 810 of 811 of 812 of 813 of 814 of 815 of 816 of 817 of 818 of 819 of 820 of 821 of 822 of 823 of 824 of 825 of 826 of 827 of 828 of 829 of 830 of 831 of 832 of 833 of 834 of 835 of 836 of 837 of 838 of 839 of 840 of 841 of 842 of 843 of 844 of 845 of 846 of 847 of 848 of 849 of 850 of 851 of 852 of 853 of 854 of 855 of 856 of 857 of 858 of 859 of 860 of 861 of 862 of 863 of 864 of 865 of 866 of 867 of 868 of 869 of 870 of 871 of 872 of 873 of 874 of 875 of 876 of 877 of 878 of 879 of 880 of 881 of 882 of 883 of 884 of 885 of 886 of 887 of 888 of 889 of 890 of 891 of 892 of 893 of 894 of 895 of 896 of 897 of 898 of 899 of 900 of 901 of 902 of 903 of 904 of 905 of 906 of 907 of 908 of 909 of 910 of 911 of 912 of 913 of 914 of 915 of 916 of 917 of 918 of 919 of 920 of 921 of 922 of 923 of 924 of 925 of 926 of 927 of 928 of 929 of 930 of 931 of 932 of 933 of 934 of 935 of 936 of 937 of 938 of 939 of 940 of 941 of 942 of 943 of 944 of 945 of 946 of 947 of 948 of 949 of 950 of 951 of 952 of 953 of 954 of 955 of 956 of 957 of 958 of 959 of 960 of 961 of 962 of 963 of 964 of 965 of 966 of 967 of 968 of 969 of 970 of 971 of 972 of 973 of 974 of 975 of 976 of 977 of 978 of 979 of 980 of 981 of 982 of 983 of 984 of 985 of 986 of 987 of 988 of 989 of 990 of 991 of 992 of 993 of 994 of 995 of 996 of 997 of 998 of 999 of 1000~~

15 June '78

Chapter I

Marketing, Storage, processing
Storage under primitive country

Compare to ^{countries} ^{of} ^{sub-Saharan} ^{Africa}
where man in ^{sub-Saharan} Africa

2) likely areas in diet apports
un-improvement.

Food supply on the
Extent of deficiency -

1) Production - shifted crop
patterns

~~Key~~

Economics →

Publicati

The country can get help
for this to the Govt or recovery
free.

Abbreviations:

Using ~~Abbreviations~~ used.

~~Hand~~
~~Deliv~~

Send to Protein/Lysine
in NIN in Pearl rudd

Toe Done in DeMe

Page 110

3. High and low fertility cows

6. Multiple cropping and
minimum cultivation.

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16/78

Adaptation

inletpas

1) Minimum cultivaat Apave

Reanots: - Variëteit met
quick germination and
establishment, resistance
against herbicides, sub =

2) An introductory para on

a) Need for wide adaptation.

b) ^{Identify} Comparison of such wide adaptation

c) Local adaptation ^{in terms of} genetic variability

d) Levels of testing

e) Role of homeostasis,

f) Heterosis and wide
adaptation.

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g) Hybrids, varietals, rotations
overduurzaam, — self cross

h) Stress toe brengen \rightarrow
to

i) Expressies do of a
~~mean of the components~~
best variety is helped

meanfields and relative
response.

give
a graph

f) Mulbines are
not more productive
than the best components
but may be an insurance
against disease, epidemics

- b) Reduction in karminans
c) Retain examples

condense 1131 - 1134

Princel 1134 - condense
whet
antiphr

in the Rexa
whet hwi
4) Overemphasis of
wide adaption may result
in sacrifice the best of
families →

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Boek 711

Cwp Adaphnem

1159-1200

Discuss

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17 June
Delen

erechts 3

Civada ~~Asperifera~~

Hybrid ~~cohet~~ bruy

18 ^{July} as

current breed rewards

Ermenides

Microchrononid cybernet

Cockin's rely

N-gabri

Patroll

Dr Swankhan's rely

Check TV :- cup specific Report

- 1) HSC van - Report - van
interacties
- 2) Blue fracture - N fract
- 3) Duplex of van of id of type
(van Report of id of type)

Swarm of id of type

- 1) Fracture
- 2) Duplex of id of type
conversion

Selectie & Breeding Improved N-fixation

- 1) Host range - Rhizobium range interaction
- 2) Blue green algae - N fix
- 3) Input of grain & fodder legum
(Look to Peter Dart's list in Rothamsted)

Swarming N-fix

- 1) Fenchonopter
- 2) Input efficient of energy conversion

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PBI 10 Jan, 1975

14

BROWN 133

CHANG 134

GOTOW 135

HONBECK 129

HENDRICKSON 126

MCKEOD 137

MURTY 138

SWEEP 25

SWAMINATHAN 29

PBI

19 Juno, 1978

Cereals, vicia faba, Beans, Brassica
napus.
Pinto, sugarbeet, forage maize, Alfalfa,
90% ^{cuprous} ~~defect~~ ^{black} ~~cut~~ ^{vegg}
25% " " ^{unimpaired} ^{barley}

Aphid residue in sugarbeet

1.7 m £ / annum budget + special
budget for capital interest and
Salaries.

SI removed by CO₂.

(CO₂-induced removal of self-use
atibility).

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Vositing Group rasen

jaar, 1978

MSJ

3 years
insultie
Trich

- 2 years
Natuur list
Trich
(Fg-level)

- 2 years
recombinant
list
Trich

Seed rate 100 kg/ha.

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a) Search test (SDS test for ~~protein~~
in ⁱⁿ place of ~~study~~ ^{study} ~~in place of~~
Pelskinderen

F30Fy

b) Trolley-woodket for ~~beaking~~ ^{beaking} ~~study~~ ^{study}

J. Bingham

Genetic ^{complete} understanding - simple ^{simple} ~~recourse~~
Gene - on V-D. ^{introduced}
into ^{maris} Hobbit - ^{cellars} ~~have~~ ^{been}
cloned.

Large Vegetative hybrid organ. (20% - 30%)
increase in vegetation
now

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only no
work on PB₇ and have R_{HT},
genetic rest R_{HT}₂

TW 275, TW 256 & highly are
strong checks intercross

Iona is ^{seedling} resistant to all
prevalent races of yellow rust

Rht. 3 - more problems
low d - amylose

spring wheat sown in ^{October} winter
to get good disease response

Some of resistance to spring wheat
to check further of winter wheat

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Physiological yellowing is prolonged cold
is more in spring when there is condensation.

100-200 crosses in each year

2000-3000 F₂ lines / each cross

10% of F₂'s carried to F₃

Dr. Hughes

Cytoplasmic male sterility

Genetic work

(Hybrid vigor)
- leaf
plasma
and

spraying at 30 mm Hg?

F₁'s with Rht 3 are semi-
dwarf in height.

Level of heterosis is 16% more yield

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Always sandy are 10% hyper yield
was Hans's Huntsman. The hybrids
have only 5% more advantage
which is not high.

Tribicale

Stronger winter hardiness

Trihale

Stronger tribale has ^{poor} ~~poor~~ yield
stability. So mixed is better

Trihale

Rht₁ (Nonin 10 seeds)

Rht₂ is on TV D - Tribale
with Rht₂ lower yield

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~~Went~~

Triebde wie Tom Thud always
grows on good
Folia ~~excelsa~~ - septima,
rubra, yellow roots
until three years ago, all triebde
are now to yellow roots.
But now they are not

Elmidwaf - durum hug

