

Refinement of the Calculation of Forbidden
Spectral Lines, by A. P. Yutsis and Ya. I.
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RUSSIAN, per, Wilniaus Valstybinio Universiteto
Astronomijos Observatorijos Biuletenis, No 2,
1960, pp 3-6. 100007066
AFCRL T-R-504

Sci-Astro
Sept 66

310,576

Computation of Integrals of the Product of
Many Spherical Functions, by A. Jucys,
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AFCRL T-L-9

Sci - Phys
Jusn 67

326,116

Fine Structure of Terms in Atomic
Species of Carbon and Nitrogen Type in
the Configurations $1S^2 2S^2 p^3$ and $1S^2 2S^2 2p^3$,
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Univ Mosk Darbai, Mate Fiz, Vol VIII,
No 8, 1956, pp 41-47. P100047267
AFCRL T-R-617

Sci - Nucl Sci
Mar 67

320,535

Hyperfine Structure of Light Atomic
Species With s and p Valence Electrons,
by L. A. Auzin, I. M. Zak, 12 pp.
RUSSIAN, per, Vilniaus Valstybinio
Universiteto Mokslo Darbai, 1957,
pp 73-82. P100027167
AFCRL T-R-619

Sci - Phys
Mar 67

320,078

The Hyperfine Structure of Spectral
Lines and Nuclear Magnetism of Many-
Electron Atomic Species, by V. V. Klingo,
15 pp.

RUSSIAN, per, Vilniaus Valstybinio
Univer Moklso Darbai, Vol XXV, No 8,
1958, pp 75-87. P100076367
AFCRL T-R-620

Sci - Elect & Elec Engr
Mar 67

320,563

Effect of the Motion of the Nucleus on
the Fine and Hyperfine Structure of
Terms, by L. Baerunaite, S. Zhvironaite,
8 pp.

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AFCRL T-R-622

Sci - Math Sci
Mar 67

320,531

Quantum Mechanical Calculation of the
Helium Molecule, by G. N. Kachinskaya,
5 pp.
RUSSIAN, per, Vilniaus Valstybinio
Univer Mokslo Darbai, Mate Fiz, Vol XXV,
No 8, 1958, pp 121-125. P100047767
AFCRL T-R-623

Sci - Mech, Industrial, Civil &
Marine Engr
Mar 67

320,532

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Atomic Species of Oxygen Type,
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Effect of Gas Sorption on Physical Properties of CdSe Films, by J. Viscakas.
LITHUANIAN, per, Vilnius, Vol XXXIII, 1960,
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ID 2204012966

Sci - Chem
Mar 66

IR-167/61

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(DC-6547)

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16 Jan 62

Extragenital Formation of Inflorescences on
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RUSSIAN, per, Vinodelie i Vinogradarstvo SSSR,
No 7, 1950, pp 17-19.

CSIRO/No 6190

Sci-Biol

Oct 63

Determination of Iron and Copper in Wines by Means
of Cation Exchange, by R. H. Golobatii, 4 pp.

RUSSIAN, per, Vinodelie i Vinogradarstvo, Vol X,
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CIA/FDD/Z-240

Sci - Chemistry

37,697

Aug 1956

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THE COEFFICIENT OF ABSORPTION OF CARBON
DIOXIDE GAS BY WINE. [1962] [7]p. 4 refs.
Order from OTS or SLA \$1.10 62-20148

Trans. of Vinodelle i Vinogradarstvo SSSR, 1950,
v. 10, no. 5, p. 34-37.

DESCRIPTORS: *Wines, Gases, *Carbon dioxide,
Absorption, Numerical analysis.

(Food, TT, v. 9, no. 8)

62-20148

I. Merzhaplan, A. A.

Office of Technical Services

On the Molotov State Farm (or Abrau-Diurso Combine);
Dusting and Spraying of Vineyards by Airplane, by
N. T. Fanych.

Full translation.

RUSSIAN, per, Vinodel i Vinograd SSSR, Vol X, No 6,
Jun 1950, pp 32-35. 22 95.8 V77

USDA Tr

Jul 53 CTS/DEX

USSR

Economic - Agriculture

3423

On Rekonstruktor State Farm; Airplane Spraying of
Grapes Infested With Mildew; Experiments Carried Out
by Vserossiiskii, by A. I. Andreeva.

Full translation.

RUSSIAN, per, Vinodel i Vinograd SSSR, Vol X, No 6,
Jun 1950, pp 35, 36. 95.8 V77

USDA Tr

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Jul 53 CTS/DEX

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Turyanskii, G. F.
EXTRAGEMINAL FORMATION OF INFLORESCENCES ON THE GRAPEVINE (Vnepochechnoe Obrazovanie Sotkvetliu u Vinograda) tr. by B. Ribush. [1963] [7]p. (foreign text included) 3 refs. [CSIRO] Trans. no. 6190.
Order from OTS, SLA, or ETC \$1.10 TT-63-23407

Trans. of Vinodelie i Vinogradarstvo SSSR, 1950 [v. 10] no. 7, p. 17-19.

DESCRIPTORS: Plants (Botany), Growth, *Reproduction, *Fruits, Genetics, *Vitaceae.

(Appropriate Plant Collection, TT, v. 11, no. 1)

TT-63-23407

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2. Title: Inflorescences
1. Turyanskii, G. F.
- II. CSIRO Trans-6190
- III. Commonwealth Scientific and Industrial Research Organization (Australia)

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THE POSSIBLE ROLE OF PYROCARBONATE ESTERS
IN THE FORMATION OF CHAMPAGNE PROPERTIES
IN SPARKLING WINES. [1961] 6p.
Order from ATS \$10.45

ATS-74N54R

Trans. of Vinodelie i Vinogradarstvo SSSR, 1951,
v. 11, no. 3, p. 16-19.

DESCRIPTORS: *Carbonates, *Esters, Ethyl radicals,
*Wines, Processing, Alcohols, Beverages.

(Food, TT. v. 7, no. 4)

61-25628

- I. Parfent'ev, L. N.
- II. Kovalenko, V. I.
- III. ATS-74N54R
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Merzhanyan, A. A.
THE BEHAVIOR OF DIETHYL PYROCARBONATE IN
SPARKLING AND CARBONATED WINES. [1961] 5p.
Order from ATS \$7.00
ATS-75N54R

Trans. of Vinodelie i Vinogradarstvo SSSR, 1951, v. 11
no. 3, p. 19-22.

DESCRIPTORS: *Carbonates, Ethyl radicals, *Wines,
Beverages, Alcohols.

(Food, TT, v. 7, no. 4)

61-25464

- I. Merzhanyan, A. A.
- II. ATS-75N54R
- III. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Preparations Used in the Control of White Rot of
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vol XI, No 4, 1951, pp 43-44.

Sci Trans Center RT-3319

ci - Biology

Mar 56

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Determination of the Peroxide Number in Wine, by
G. Agabal'yants.

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CSIRO/No. 7815

Sci -

Aug 67

339-380

Bacterial Method in the Control of Oidium Fungicides,
by R. M. Fainshtein.

Full translation.

RUSSIAN, per, Vinodel 1 Vinograd BSSR, Vol II, Feb 19
1952, pp 44, 45. 95.8-477

USDA Tr

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Scientific - Biology

3408

Kozenko, E. M. THE AMOUNT OF STABLE ESTERS OF CARBONIC ACID PRESENT IN WINE. [1961] 4p. Order from ATS \$6.80 Trans. of Vinodelle i Vinogradarstvo SSSR, 1952, v. 12, no. 4, p. 25-28. DESCRIPTORS: Carbonic acids, Esters, Determina- tion, *Wines, Beverages, Alcohols, Chemical analysis. (Food, TT, v. 7, no. 4)	61-25632 I. Kozenko, E. M. II. ATS-76N54R III. Associated Technical Services, Inc., East Orange, N. J. Office of Technical Services
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Parfent'ev, L. N. and Kovalenko, V. I.
A NOTE ON THE PROBLEM OF THE THEORY OF
CHAMPAGNIZING. [1961] 2p.
Order from ATS \$3.00

ATS-77N54R

Trans. of Vinodelie i Vinogradarstvo SSSR, 1952,
v. 12, no. 4, p. 28-29.

DESCRIPTORS: *Wines, Processing, Theory, Alcohols,
Beverages.

(Food, TT, v. 7, no. 4)

61-25471

- I. Parfent'ev, L. N.
- II. Kovalenko, V. I.
- III. ATS-77N54R
- IV. Associated Technical
Services, Inc., East
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Office of Technical Services

Waste Gumbrin as a Fertilizer for Grapes, by
R. M. Fainshtein

RUSSIAN, no per, Vinodelie i Vinogradarstvo SSSR.
Vol 12, No 6, June 1952, pp 40-41. CIA D# 60977

USDA

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Sci - Biology

Mar 56 CTS/DEX

Role of ~~lateral~~ Laterals in the Formation of
Hibernating Buds of Grapes, by A. Tjutjutnik.

RUSSIAN, per, Vinodelenie i Vinogradarstvo SSSR,
No 8, 1953, pp 36, 37.

CSIRO/No 5778

Sci-Agri
May 63

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Formation of Incipient Influrescences in the Spring,
by Z. V. Kolesnik, 7 pp.

RUSSIAN, no per, Vinodeliya i Vinogradstvo SSSR,
Vol XIII, No 8, 1953, pp 38-41.

Sci Tr Center RT-3751

Scientific - Geophysics

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ROLE OF LATERALS IN THE FORMATION OF
HIBERNATING BUDS OF GRAPES (Rol' Pasyukov
v Formirovani Zimuyushchikh Pochek Vinograda)
tr. by A. Neal. [1962] [5]p. (foreign text included).
[CSIRO] Trans. no. 5778.
Order from OTS or SLA \$1.10

63-13606

Trans. of [Vinodelle i Vinogradarstvo SSSR] 1953
[v. 13] no. 8, p. 36-37.

DESCRIPTORS: *Plants (Botany), *Fruits, Growth.

Sixty shoots from the fifth eye were taken from 3 to
4-year-old branches of 8-year-old Malengra Seed-
ling, Sweet Black, and Shasla Seedling grape vines.
On 30 spurs the laterals were removed as soon as
they appeared; on the rest, they were pinched off
above the sixth leaf. At the end of the vegetative
(Agriculture--Plant Cultivation, TT, v. 10, no. 7)

63-13606

- I. Tyutyutnik, A. F.
- II. CSIRO Trans-5778
- III. Commonwealth Scientific
and Industrial Research
Organization (Australia)

Office of Technical Services

(FDD 25093)

Fermentation Conditions in Continuous Flow Wine-Making, by Ye. M. Kozenko, 13 pp.

RUSSIAN, no per, Vinodel 1 Vinograd SSSR,
Vol XIII, No 9, Moscow, 1953, pp 22-28.

29,062 CIA/FDD/U-7416

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Sci - Chemistry, chemical technology

CTS 73 Oct 55

Strel'nikov, I. G.
INFLUENCE OF LATERALS ON THE
PRODUCTIVITY OF SHOOTS IN THE LOWER
ZONE OF THE FRUIT VINE (Vliyanie
Pasynkov na Plodonoshenie Pobegov v Nizhnei
Zone Plodovoi Lozy) tr. by A. Neal. [1962] [9]p.
(foreign text included). [CSIRO] Trans-5779.
Order from OTS or SLA \$1.10 63-15971

Trans. of Vinodelie i Vinogradarstvo SSSR. 1954
[v. 14] no. 2, p. 23-25.

DESCRIPTORS: *Plants (Botany), *Fruits, Growth.

To study the effect of laterals on the formation of
buds and on the productivity of the shoots of the
grape vine, the productivity of the buds of the
hibernating eyes along the shoot was determined
in two cases: laterals left on and laterals removed.
(Agriculture--Plant Cultivation, TT, v. 10, no. 7)
(over)

63-15971

I. Strel'nikov, I. G.
II. CSIRO Trans-5779
III. Commonwealth Scientific
and Industrial Research
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Office of Technical Services

Agabal'yants, G. G., Kozenko, E. M., and
Merzhanyan, A. A.
THE ABSORPTIVE CAPACITY OF WINE FOR CARBON
DIOXIDE GAS. [1962] [12]p. 10 refs.
Order from OTS or SLA \$1.60

62-20154

Trans. of Vinodelle i Vinogradarstvo SSSR, 1954, v. 14,
no. 6, p. 26-32.

DESCRIPTORS: *Wines. Absorption, *Carbon dioxide,
Gases, Beverages.

(Food, TT, v. 9, no. 10)

62-20154

I. Agabal'yants, G. G.
II. Kozenko, E. M.
III. Merzhanyan, A. A.

Office of Technical Services

Influence of Laterals on the Productivity of
Shoots in the Lower Zone of the RM Fruit Vine,
by I. Strobnikov.

RUSSIAN, per, Vinodeliye i Vinogradarstvo SSSR,
No 2, 1954, pp 23-25.

CSIRO/No 5779

Sed. Agri
May 53

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On Selecting Wine-Plant Scions, by P. Soldatov.

RUSSIAN, per, Vinodeliya i Vinogradarstvo SSSR,
No 7, 1956, pp 42-49.

CSIRO/No 5908

HA 65-11107

Sci-Agri.

Methods of Selecting Vine-Plant Clones, by
M. Lazarevskiy.

RUSSIAN, per, Vinodeliye i Vinogradarstvo
SSSR, No 8, 1956, pp 27-31.

CSIRO/No 5907

078 63-19150

Sci-Biol & MedSci
May 63

229,915

Methods of Selecting Vine-Plant Clones, by
M. Lazarevskiy.

RUSSIAN, per, Vinodeliye i Vinogradarstvo
SSSR, No 8, 1956, pp 27-31.

CSIRO/No 5907

OTS 62-19150

SciBiol & MedSci

On the Chemical Processes Which Take Place
as a Result of the Aging of Brandy ~~Alks~~
Alcohols in Oak Barrels, by I. M. Shurikhin.

RUSSIAN, per, Vinodelie 1 Volograd SSSR,
Vol XX, No 2, 1960, pp 8-15.

MLL RTS 21A6

Sci - Chem
Mar 63

Some Systematic and ~~COMMON~~ ^{Contact} Insecticides
Against Web Mite, by N. E. Aleksidze,
G. V. Dolidze.

RUSSIAN, per, Vinodelie i Vinogradarstvo
SSSR, No 5, 1961, pp 37-59.

NRC/Ref. C-4167

Sci-Biol

Aug 63

342,014

Determination of Heavy Metal Content of Wine
by Polarographic Method, by P. S. Bukharov.

RUSSIAN, per, Vinodeliye i Vinogradstvo SSSR,
No 7, 1961, pp 32-34.

NLL RTS 2555 (loan)

OTS-77 64-17123 9pp

Sep 64

New Chemical Agent for Control of Phylloxera,
by L. M. Kogan.

RUSSIAN, per, Vinodelie i Vinogradarstvo
SSSR, No 8, 1961, pp 38-41.

NRC/Ref. C-4173

Sci-Biol

Aug 63

341, 958

Tseytin, M. G. and Avetisyan, S. N.
PHOTOSYNTHESIS IN VARIOUS KINDS OF VINE
SHOOTS (Fotosintez Raznokachestvennykh Pobegov
Vinograda) tr. by V. A. Solodukhin. [1963] 6p (foreign
text included). [CSIRO] Trans. no. 6306.
Order from OTS or SLA \$1.10 63-23749

Trans. of Vinodelie i Vinogradarstvo SSSR, 1962,
[v. 22] no. 1, p. 32-34.

DESCRIPTORS: *Photosynthesis, *Vitaceae, Plants
(Botany).

The effect on photosynthesis intensity of removing
various kinds of grapevine shoots was experimentally
investigated during a two-year period. The varieties of
Khussayne, Saperavi, and White Kishmish were studied.
Photosynthesis was more intense in the leaves of fruit-
bearing shoots during the growing period, and more in-
tense when the shoots were not pinched. In shoots with
(Biological Sciences--Botany, TT, v. 10, no. 12)(over)

63-23749

I. Tseytin, M. G.
II. Avetisyan, S. N.
III. CSIRO Trans-6306
IV. Commonwealth Scientific
and Industrial Research
Organization (Australia)

Office of Technical Services

Krylatov, A. K.
SALT RESISTANCE OF GRAPE VINE (O Slevynos-
livosti Vinogradnoi Lozy) tr. by V. A. Soloduhin.
[1963] [16p] (foreign text included) 6refs [CSIRO] Trans.
no. 6308.

Order from OTS or SLA \$1.60

63-23991

Trans. of Vinodelie i Vinogradarstvo SSSR, 1962
[v. 22] no. 2, p. 31-36.

DESCRIPTORS: *Vitaceae, *Salts, *Salinity, *Soils,
Plants (Botany).

(Agriculture--Plant Cultivation, TT, v. 10, no. 11)

63-23991

I. Krylatov, A. K.
II. CSIRO Trans-6308
III. Commonwealth Scientific
and Industrial Research
Organization (Australia)

Office of Technical Services

Vine Root Systems in Variously Fertilized Stony
Soils in the Armenian Soviet Socialist Republic,
by A. Minasyan, A. Melkonyan, 1³ pp.

RUSSIAN, per, Vinodelie i Vinogradarstvo SSSR,
Vol. ~~III~~, No 2~~0~~, 1962, pp 36-42.

XX/1

CSIRO/No 6307

ITS. A 63-25748

Sci-Biol

Oct 63

241, 376

Dynamics of Nitrous Substances During
Technological Treatment, by
T. Politova-Sovzenko, 8pp

RUSSIAN, per. Vinodeliya i Vinogradarstvo
SSSR, ~~1962~~, 1962, pp 19-21.

Vil XXII, N 3

CSIRO No 6309

OTS nSLA 63-23990

Sci - Biol & Med
Dec 63

245,010

Effect of High-Voltage on Rooting of Grape
Cuttings, by I. Lutkova.

RUSSIAN, per, Vinodeliya i Vinogradarstvo SSSR
VOI ~~225~~, No ~~225~~, 1962, p 52.

XXII

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CSIRO No 6310

Sci - Electron, Agri
Dec 63

245,006

The Main Problems of Scientific Research, by P. Litvinov, *P.P.*
RUSSIAN, per, Vinodelie i Vinogradarstvo SSSR, Vol ~~XX~~ *XXI*
No ~~XXI~~, 1962, pp 1-3,
4

~~Sci - ECON~~
USSR - ECON
Feb 64

CSIRO/No 6350

OTS 63-24072

250,411

110.6 Centers of Grapes per Hectare, by A. Maystrenko, 11 pp.
RUSSIAN, per, Vinodelie i Vinogradarstvo SSSR, Vol III,
No ~~21~~, 1962, pp 8-12. XXII

CSIRO/No 6348

OTS 63-24070

Sci - Biol Agri

Feb 64

250,412

The Acid-Salt Balance in Grape-Juice and Wine, by
E. Kozenko, B. Romanova, 8 pp.
RUSSIAN, per, Vinodelie i Vinogradarstvo ~~KAK~~ SSSR,
Vol ~~18~~, No ~~222~~, 1962, pp 19-22.
XXII, No 4

Sci - BKiol

Feb 64

CSIRO/No 6347

OTS TT-63-24069

250,410

Sucrose as an Objective Index of Physiological Maturity in
Grapes, by K. Pataraya, ~~XX~~ L. Silagadze, ^{7/10}
RUSSIAN, per, Vinodelie i Vinogradarstvo SSSR, Vol ~~XX~~
No ~~XX~~, 1962, pp ~~XX~~ 26-28. ^{XXI}

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Sci - Biol

Feb 64

CSIRO/No 6351

078 TT-63-24073

250,413

Contribution to the Study of the Different Varieties of Grapes
Cultivated in the Vale of Ferghana, by I. Akramov, *pp.*
RUSSIAN, per, Vinodelie i Vinogradarstvo SSSR, Vol IV,
No 214, 1962, pp 36-38. XVI

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CSIRO/No 6349

OTS 1521 63-24071

Sci - Biel Agri

Feb 64

250,334

New Equipment for Wine-Making Enterprises,
by G. A. Zhdanovich, 7 pp.

RUSSIAN, per, Vinodeliya i Vinograd. Vol. XXII
No 4, 1962, pp 44-50.

JPRS 15290

USSR
Econ
Oct 62

212, 431

Vineyards on Sandy Soils are High-Yielding,
by M. Markin.

RUSSIAN, per, Vinodeliye i Vinogradarstvo SSSR
Vol 7, No 282, 1962, pp 30-33.

XX11 5

CSIRO No 6311

675 67 SLA 63-23945

Sci - Agri
Ex Dec 63

245,007

Titrometric Determination of Hydrogen Ion
Concentration, by G. Ratushnyi, *YIP*.

RUSSIAN, per, *Vinodelie i Vinogradarstvo*
SSSR, Vol ~~12~~, No ~~12~~, 1962, pp 3-6.
XXI 6

CSIRO/No 6334
UTS or SLA TT-63-23741

Sci-Chem

Oct 63

241, 425

How to Obtain Red Wines of Rich Colour,
by A. Samvelyan, Gasparyan, *Syr*

RUSSIAN, per: *Vinodeliye i Vinogradarstvo*
SSSR, ~~V. 44~~, No ~~45~~, 1962, pp 6-7.
V. 1 XXI

CSIRO No 6328
OTS CI SLA 63-23992

Sci - Agri
Dec 63

245,012

Pentoses and Pentosans of Grapes and Wine, by
K. Almashi, 9 pp.

RUSSIAN, per, Vinodelie i Vinogradarstvo SSSR,
Vol. ~~2~~, No ~~2~~, 1962, pp 8-11.

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CSIRO/No 6333

ITS N JKA 63-23743

Sci-Chem

Oct 63

241,422

Economic Aspects of Different Methods of Pruning and
Topping Grapevines, by A. ~~XXXXXX~~ Mishurenko,
N. Nagornyi, 6 pp

RUSSIAN, per, Vinodelie i Vinogradarstvo SSSR,
Vol ~~15~~, No ~~288~~, 1962, pp 29-31.

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CSIRO/No 6331

075, 41 CLA 63-23745

Sci-Biol

Oct 63

241, 377

Our Experience in Obtaining High Yields of Grapes,
by V. Kravchenko, 9pp.

RUSSIAN, per, Vinodelia i Vinogradarstvo SSSR,
Vol ~~12~~, No ~~243~~, 1962, pp 47-50.

XXII 6

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CSIRO/No 6330

Sci-Biol

OTSORSKA TT-63-23746

Oct 63

241, 374

Dynamics of Titratable Acidity During
Maturation of Grapes, by E. Kozenko, 1pp

RUSSIAN, per, Vinodeliye i Vinogradarstvo SSR,
Vol ~~XXX~~, No 21, 1962, pp 7-10.

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075 11 S/A 63-23993

Sci - Agri

Dec 63

245,004

Effect of Water Regime on Frost
Resistance of Grape Vines, by
Y. Chernopashchenko.

RUSSIAN, per, Vinodeliya i Vinogradarstvo SSSR
Vol ~~XXI~~, No ~~224~~, 1962, pp 39-43.

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CSIRO No 6312

Sci - Agri
Dec 63

OTS 77-63-23994

245,003

Fruits and Berries as Wine Material in White Russia, by
M. Golomshtok, D. Shapiro.
RUSSIAN, per, Vinodelie i Vinogradarstvo SSSR, Vol. ~~XXXX~~ XII, No. 215,
1962, pp 21-23. 8

CSIRO/No. 6407

Sci-Agri
Feb 64

250, 067

Turkmenistan to Become a Centre of Production of Table
Grapes and Raisins, by A. Solovyev.
RUSSIAN, per, Vinodelie i Vinogradarstvo SSSR, Vol VIII,
No 22, 1962, pp 24-26. *XVII*
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CSIRO/No 6413

Sci - Agri

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250,106

Some Problems of Viticulture on ~~irrigated~~ irrigated Mountain
Slopes, by F. Bashirov.
RUSSIAN, per, Vinodelie i Vinogradarstvo SSSR, Vol. ~~1961~~,
No. ~~1~~, 1962, pp 30-37. ~~XXII~~

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CSIRO/No. 6410

Sci-Agri
Feb 64

250,059

Raising the Yield of Grapes and Lowering Production Costs,
by K. Zhikharev.

RUSSIAN, per, Vinodelie i Vinogradarstvo SSSR, Vol. ~~VIII~~,
No ~~28~~, pp 47-49. *XXII*

CSIRO/No 6411

Sci - EAgri

Feb 64

250,109

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